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ENGLISH

DUDEN

A Pictorial Dictionary

Das moderne Wörterbuch der englischen Sprache, in dem 25 000 Dinge durch Bilder erklärt werden. Mit englischem und deutschem Register. Gemeinschaftsarbeit eines englischen und eines deutschen Verlages.

THE ENGLISH DUDEN

The English Duden

A Pictorial Dictionary
with English and German Indexes

Edited by the Fachredaktionen of the
Bibliographisches Institut, Mannheim,
and the Modern Languages Department
of George G. Harrap & Company Ltd.
London

— 2nd revised edition —



BIBLIOGRAPHISCHES INSTITUT · MANNHEIM

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Containing 25,000 words
Illustrated by Line Drawings and
8 Plates in Full Colour

PUBLISHERS' NOTE

Some of the illustrations may seem unfamiliar to English readers, but they have been retained from the German edition in order that the two books can be used side by side. Users of *The English Duden* will find it interesting to compare the Germany of the pictures with their own country. They may be surprised to see a chimney-sweep climbing onto the roof of a house, a ticket-collector creeping from door to door along the outside of a train, a water-meter for measuring the water consumption of a household (so that it can be charged to the householder, of course), or a billiard-table with no pockets. These are, however, common enough sights in Germany and the reader might like to reflect that though the way of cutting up carcases or of numbering the registration plate of a car may differ from country to country, atomic power stations (like parts of the body) are much the same wherever they are found.

We would like to thank all those firms, libraries, institutes, and specialists who have co-operated in the production of this work, and whose names are listed at the end of the book. A special word of thanks is due to Anabel Dapurkar B. A., Arethusa Ewbank B. A., Licenciée ès Lettres, Elise Hurd B. A., William Bainbridge and Peter Collin B. A. for their assistance in checking translations. For the editorial work we extend our gratitude to Fräulein Dipl.-Phil. Gisela Preuß and Herrn Dr. phil. Otto Weith.

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PREFACE

The English Duden has been adapted from the German *Duden Bildwörterbuch* published in 1958, and, like its original, groups by subjects words which can be represented pictorially. A first edition of *The English Duden* was adapted from the *Duden Bildwörterbuch* of 1936, but since then the vocabulary of almost every subject which these books covered has undergone so great a change that a complete revision of both editions was necessary. The revised *Duden Bildwörterbuch* was published in 1958 and its success has encouraged the compilation of this companion volume.

Here, as in the German edition, the words are grouped by their subject-matter into 368 sections, each with a picture and a word list. The table of contents on page 6, divided into fifteen main headings, lists all the 368 plates and their numbers, while the indexes at the back of the book give after each word the reference number of the word itself and the number of the plate in which it appears. The English index (pp. D 1-112) includes in alphabetical order all the words in the lists accompanying the plates. The German index (pp. E 1-128) is reproduced from the *Duden Bildwörterbuch*. Thus to identify a German or English word the user should look it up in the appropriate index which will refer him to the picture. On the other hand, by referring directly to the pictures and their word-lists unknown objects can be named or the complete vocabulary of a particular subject can be found. By comparing *The English Duden* with the *Duden Bildwörterbuch* (the numbering of pictures and words is identical in both books), a translation from English into German can be obtained. *The English Duden* can thus serve three purposes. It can stand alone as an English glossary, it can provide a translation from German to English, and, in conjunction with the *Duden Bildwörterbuch*, it will give an English - German translation for each word.

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1 Atom I

1-4 model of an atom,

1 and 2 the atomic nucleus:

1 the proton [positive]

2 the neutron [non-electric, neutral];

3 the electron [negative]

4 the electron orbit [forming the electronic shell];

5-8 model of an isotope appertaining to 1-4 [radioactive]:

5 the proton

6 the neutron

7 the electron

8 the electron orbit;

9-12 spontaneous disintegration of an atom [radioactivity]:

9 the atomic nucleus

10 the alpha radiation (alpha particle emission) [helium nucleus]

11 the beta radiation (beta particle emission) [electrons]

12 the gamma radiation (X-rays);

13-17 the nuclear fission (atomic fission):

13 the atomic nucleus

14 the bombardment by neutron

15 two new atomic nuclei

16 the neutrons being released [generation of heat]

17 X-ray-like (roentgen-like) radiation (gamma radiation);

18-21 the chain reaction (nuclear chain reaction):

18 the neutron splitting the atomic nucleus

19 the atomic nucleus before fission

20 the fragments of the split nucleus (fission fragments)

21 neutrons released by the fission and splitting further atomic nuclei;

22-30 the controlled (governed) chain reaction:

22 the atomic nucleus of a fissionable element

23 the bombardment by neutron

24 the neutron released and splitting another atomic nucleus

25 two new atomic nuclei

26 the moderator, a slowing-down layer of graphite

27 the neutrons being released [generation of heat]

28 the extraction of heat [production of energy]

29 the X-ray-like (roentgen-like) radiation

30 the protective concrete or lead wall;

31-46 the atomic pile (atomic reactor, nuclear reactor, reaction pile, graphite pile):

31 the protective concrete wall

32 the air layer

33 the air shaft (air duct)

34 the moderator

35 the cooling tube

36 the tube for radio-isotopes

37 the loading side

38 the loading aperture

39 the uranium rod (filling rod) [the fuel of the pile]

40 the atomic physicist (nuclear physicist)

41 the technician

42 the gallery, a lifting platform for loading

43 the ladder {the pile

44 the aperture for radio-isotopes

45 the control rod of a cadmium or boron

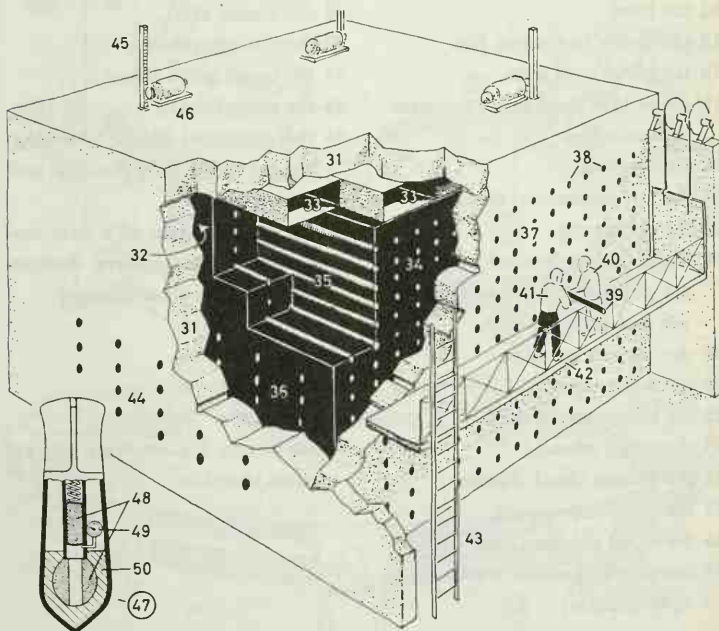
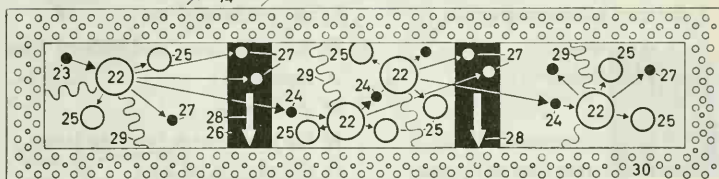
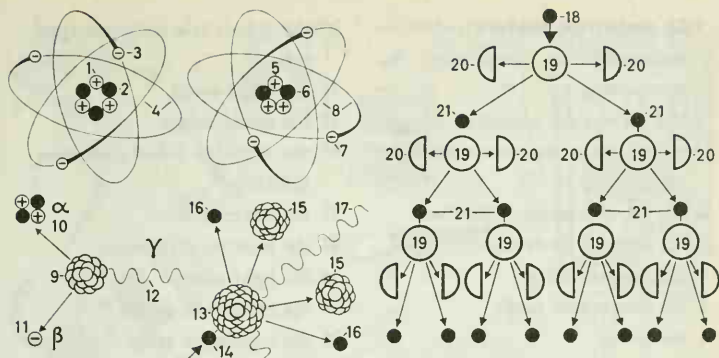
46 the control rod motor; {compound

47 the atomic bomb (atom bomb, A-bomb):

48 the plutonium or uranium isotopes

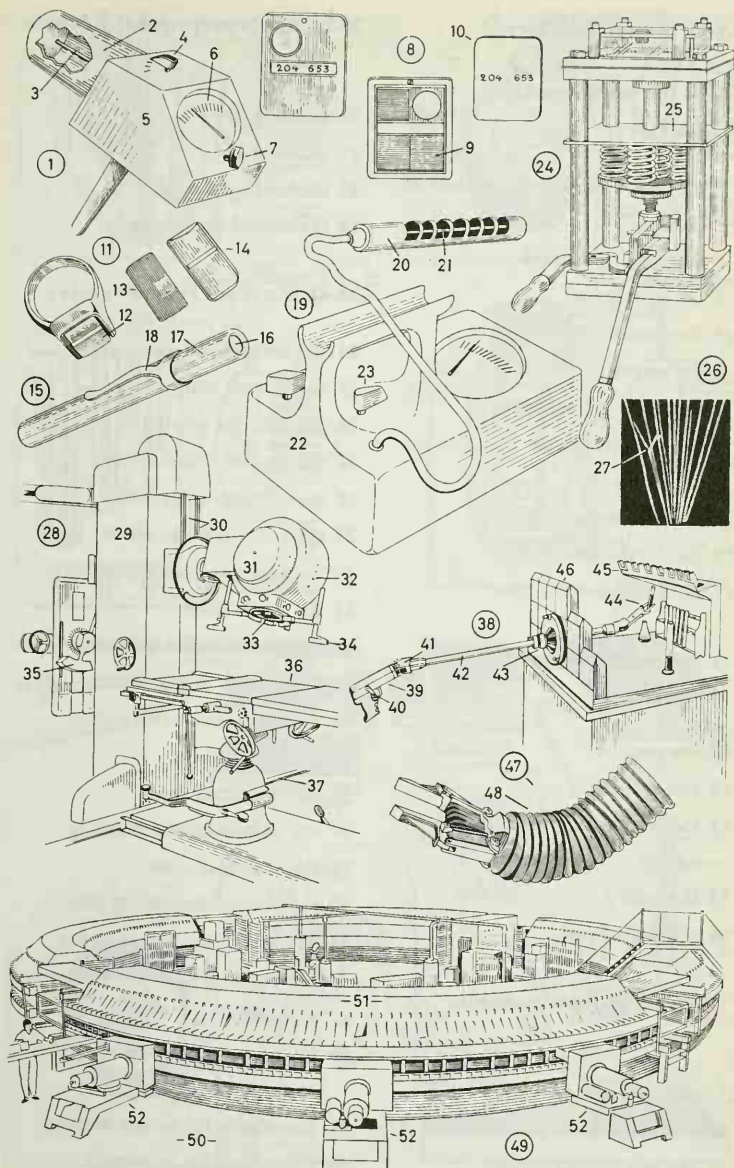
49 the timer

50 the reflector (tamper) of beryllium



2 Atom II

- 1-23 radiation meters (radiation-measuring, or monitoring, instruments),
 - 1 the measuring apparatus (survey meter) for protection against radiation:
 - 2 the ion (ionization) chamber
 - 3 the internal electrode
 - 4 the range selector
 - 5 the instrument case
 - 6 the meter
 - 7 the zero adjustment knob;
- 8-23 dosimeters,
 - 8 the film dosimeter:
 - 9 the filter
 - 10 the X-ray (roentgen) film;
 - 11 the finger-ring film dosimeter:
 - 12 the filter
 - 13 the X-ray (roentgen) film
 - 14 the cover with filter;
 - 15 the pocket dosimeter ('fountain-pen' monitor):
 - 16 the eyepiece
 - 17 the ion (ionization) chamber
 - 18 the pocket clip;
 - 19 the counting detector tube (Geiger counter, Geiger counter survey meter):
 - 20 the counter envelope
 - 21 the counter
 - 22 the instrument case
 - 23 the range selector;
 - 24 the Wilson cloud chamber:
 - 25 the compression plate;
 - 26 the cloud chamber photograph:
 - 27 the cloud chamber tracks of an alpha particle;
 - 28 the cobalt tele-radiation apparatus:
 - 29 the pillar stand
 - 30 the guide cables
 - 31 the radiation shield (radiation shielding)
 - 32 the cover slide
 - 33 the lamellar diaphragm
 - 34 the light visor
 - 35 the pendulum device
 - 36 the irradiation table
 - 37 the guide rail;
 - 38 the wrist-joint manipulator (manipulator):
 - 39 the handle
 - 40 the safety catch (locking lever)
 - 41 the steel wrist joint
 - 42 the master arm
 - 43 the clamping device
 - 44 the tongs (slave tongs)
 - 45 the slotted board
 - 46 the protective shield (shielding) against radiation, a lead-seal wall [section];
 - 47 the gripping arm of a twin manipulator (master-slave manipulator, remote-control tongs):
 - 48 the dust guard;
 - 49 the cosmotron:
 - 50 the danger area
 - 51 the magnet
 - 52 the pumps for emptying the vacuum chamber



3 Atom III

1-23 atomic reactors,

1-11 the boiling-water reactor:

- 1 the shield (shielding) against radiation
- 2 the water-filled tank
- 3 the atomic fuel
- 4 the control rods
- 5 the steam
- 6 the turbo-generator
- 7 the heat-exchanger
- 8 the steam inlet
- 9 the cold-water entry
- 10 the condenser
- 11 the cooling-water inlet;

12-16 the homogeneous reactor:

- 12 the reactor
- 13 the reflector
- 14 the reactor liquid, a liquid metal
- 15 the boiler
- 16 the heated fuel;

17-19 the sodium graphite reactor:

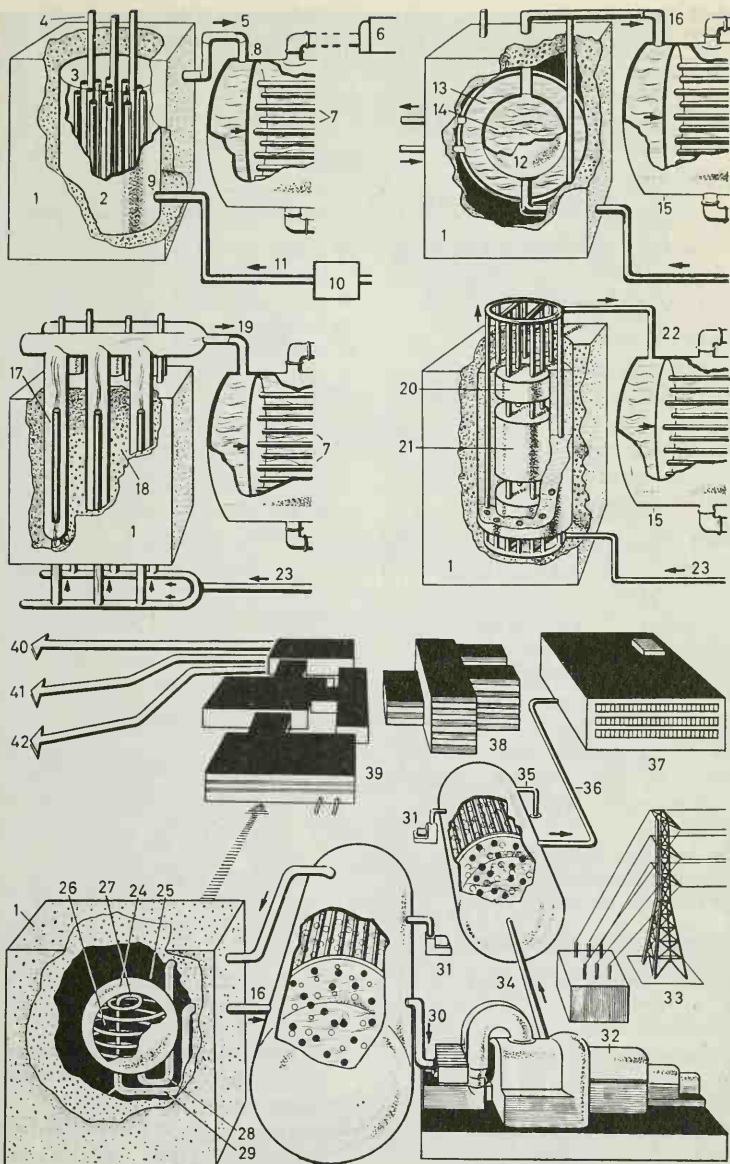
- 17 the atomic fuel rod
- 18 the graphite
- 19 the hot liquid sodium;

20-23 the experimental breeder reactor:

- 20 uranium 238
- 21 uranium 235
- 22 the hot liquid metal
- 23 the cooled liquid metal;

24-42 the ideal reactor cycle:

- 24 the compressed-water reactor
- 25 the reactor tank
- 26 the uranous solution
- 27 the cooling-water system
- 28 the cooling-water inlet
- 29 the cooling-water outlet
- 30 the high-pressure steam
- 31 the water inlet
- 32 the electro-turbo-generator
- 33 the electric power station
- 34 the steam from the turbine
- 35 the steam outlet
- 36 the hot-water pipe
- 37 the remote-heated building
- 38 the chemical plant
- 39 the isotope-separating plant
- 40-42 further utilization of the plutonium gained for generation of energy:
 - 40 plutonium for shipping and aircraft
 - 41 plutonium for power supply
 - 42 plutonium for armament



4 The Atmosphere

1-10 the earth:

- 1 the earth's crust (lithosphere)
- 2 the highest mountain [8,882 m]
- 3 volcano
- 4 the smoke cloud of Krakatoa [30 km]
- 5 the deepest mine [2,800 m]
- 6 the deepest oil well [6,170 m]
- 7 clouds
- 8 the sea level
- 9 the deep-sea descent of Houot and Willm [4,050 m]
- 10 the greatest ocean depth [10,899 m];

11-15 the regions (layers) of the atmosphere:

- 11 the troposphere
- 12 the stratosphere
- 13 the ionosphere
- 14 the exosphere
- 15 the chemosphere;

16-19 the reflecting layers for wireless (radio) waves:

- 16 the D-layer
- 17 the E-layer (Heaviside-Kennelly Layer)
- 18 the F1 (Appleton)-daytime layer
- 19 the F2 (Appleton)-night layer;
- 20 the long wave (low frequency)
- 21 the medium wave (medium frequency)
- 22 the short wave (high frequency)
- 23 the ultra-short wave (radar connection earth-moon through very high frequency)
- 24 the ultraviolet radiation
- 25 the infra-red (ultra-red) radiation
- 26 the fringe of darkness

27-34 the cosmic radiation:

- 27 the cosmic particle (cosmic ray particle)
- 28 the nuclear fission
- 29 the proton
- 30 the neutron
- 31 the π -mesotron (π -meson)
- 32 the μ -mesotron (μ -meson)
- 33 the electron

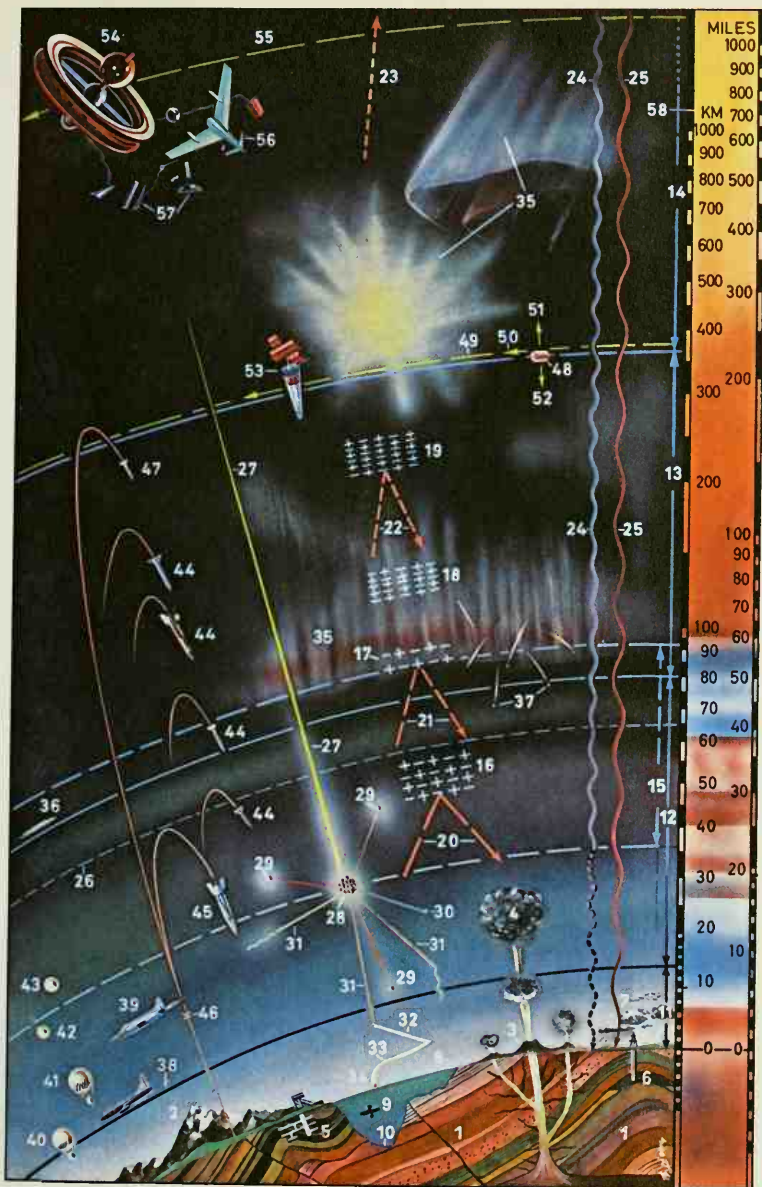
- 34 the final point of the electrons' path;
- 35 polar lights (northern lights or Aurora Borealis, southern lights or Aurora Australis)
- 36 luminous night clouds (night-luminous clouds)
- 37 the meteor (meteorite)

38-47 the flight into the atmosphere:

- 38 the altitude of jet-propelled aeroplanes [16,000 m]
- 39 Bell X-1A [27,500 m]
- 40 Piccard's balloon ascent (*Am. balloon ascension*) [16,940 m]
- 41 the stratosphere balloon 'Explorer II', U.S.A. [23,490 m]
- 42 and 43 sounding balloons (balloon sondes) [unmanned]
- 44 the courses of various rockets
- 45-47 the ascent of a two-step rocket ['Bumper-Wac']:
- 45 step one ['V2']
- 46 the separation point
- 47 step two ['Wac Corporal'];

48-58 space flight (interstellar flight, astronautical flight):

- 48 the instrumented earth satellite (Sputnik)
- 49 the earth satellite's line of flight (earth satellite's path or course)
- 50 the direction of flight
- 51 the centrifugal force
- 52 the centripetal force
- 53 larger instrumented satellite with experimental (test) animals
- 54 the manned space station (outer station)
- 55 the course of the outer station
- 56 the winged end stage of a manned, multi-stage satellite rocket
- 57 the structural parts of a space craft (spaceship, interstellar craft), for flight the atmosphere only
- 58 the temperature scale [blue = cold, red to yellow = warm]



5 Astronomy I

1-35 star map of the Northern sky

or heavens (Northern hemisphere),
a celestial chart, a planisphere,

1-8 divisions of the sky:

1 the celestial pole with the north star
(pole star, polaris)

2 the ecliptic (apparent yearly orbit, or
path, of the sun)

3 the celestial equator (equinoctial)

4 the tropic of Cancer

5 the circle enclosing the circumpolar
stars [which never set]

6 and 7 the equinoxes:

6 the first point of Aries (vernal
equinox)

7 the first point of Libra (autumnal
equinox)

8 the summer solstice (solstice);

9-48 constellations (grouping of fixed
stars into figures)

and names of stars:

9 Aquila (Eagle) with chief star Altair

10 Pegasus

11 Cetus (Whale) with Mira, a variable star

12 Eridanus (River Eridanus)

13 Orion (Hunter) with Rigel, Betel-
geuse, and Bellatrix

14 Canis Major (Great Dog) with Sirius, a
star of the first magnitude

15 Canis Minor (Little Dog) with Procyon

16 Hydra (Water Snake)

17 Leo (Lion) with Regulus

18 Virgo (Virgin) with Spica

19 Libra (Balances, Scales)

20 Serpens (Serpent)

21 Hercules

22 Lyra (Lyre) with Vega

23 Cygnus (Swan) with Deneb (Aridad)

24 Andromeda

25 Taurus (Bull) with Aldebaran

26 the Pleiades (Pleiads), an open cluster
of stars

27 Auriga (Waggoner, Charioteer) with
Capella

28 Gemini (the Twins) with Castor and
Pollux

29 Ursa Major (the Plough; Great, or
Greater, Bear; Charles's Wain; *Am.* Big
or Great Dipper) with double star
(binary stars) Mizar and Alcor

30 Boötes (Bear Driver, Herdsman)
with Arcturus

31 Corona Borealis (Northern Crown)

32 Draco (Dragon)

33 Cassiopeia

34 Ursa Minor (Little, or Lesser, Bear, *Am.*
Little Dipper) with the north star
(pole star, polaris)

35 the Milky Way (Galaxy);

36-48 the Southern stellar heavens:

36 Capricornus (Capricorn, Goat,
Sea-Goat)

37 Sagittarius (Archer)

38 Scorpio (Scorpius, Scorpion)

39 Centaurus (Centaur)

40 Triangulum Australe (Southern
Triangle)

41 Pavō (Peacock)

42 Grus (Crane)

43 Octans (Octant)

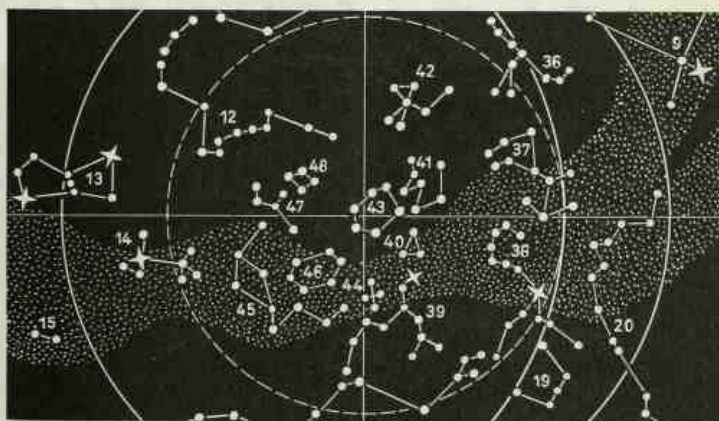
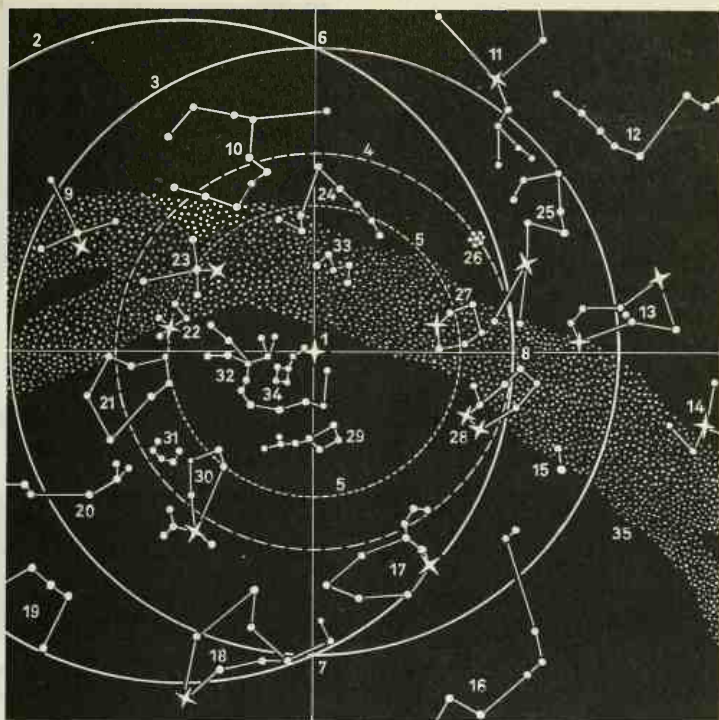
44 Crux (Southern Cross, Cross)

45 Argō (Ship Argō)

46 Carina (Keel)

47 Pictor (Painter)

48 Reticulum (Net)



6 Astronomy II

1-51 **uranology** (uranography):

- 1 the firmament (starry sky, heavens, canopy of heaven, vault of heaven)

2-11 **the astronomical observatory,**

- 2-7 the reflecting telescope (reflector):
- 2 the trellis tube (lattice tube)
- 3 the ocular, sometimes a camera for astrophotography
- 4 the concave mirror (parabolic reflector or mirror)
- 5 the polar axis
- 6 the declination axis
- 7 the foundations (bearings);
- 8 the revolving dome
- 9 the observing aperture
- 10 the astronomer's observing position
- 11 the guide rails;

12-14 **the planetarium** (orrery):

- 12 the stationary cupola
- 13 the artificial firmament
- 14 the projection apparatus;

15-20 **the Einstein tower** [at Potsdam],

15-18 **the coelostat:**

- 15 the mirrors
- 16 the wooden tower
- 17 the light shaft
- 18 the lower mirror;
- 19 the thermostable room
- 20 laboratories for testing sunlight and starlight (for solar physics, astrophysics, spectral analysis) and concerning Einstein's theory of relativity;

21-31 **the solar system** (planetary system) **and the signs** (symbols) **of the planets:**

- 21 the sun

22-31 **the planets** (wandering stars):

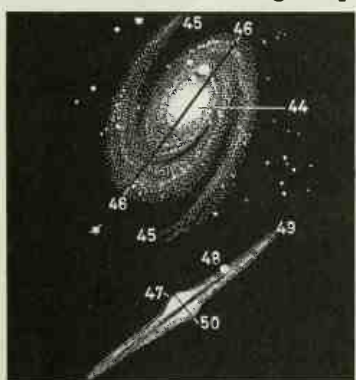
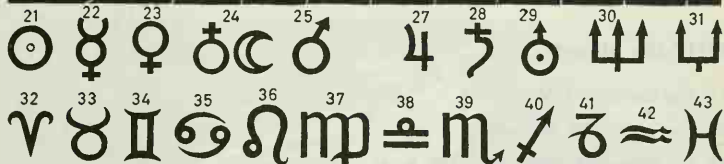
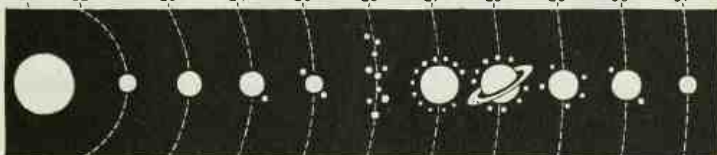
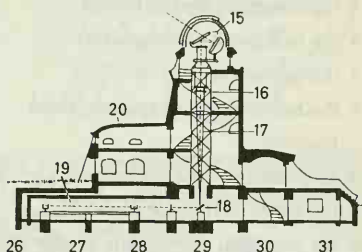
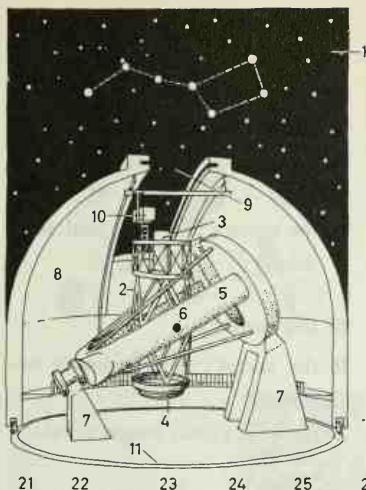
- 22 Mercury
- 23 Venus
- 24 the Earth and the moon, a satellite
- 25 Mars and 2 satellites
- 26 the asteroids (minor planets, remnants of a planet)
- 27 Jupiter and 12 satellites
- 28 Saturn and 9 satellites
- 29 Uranus and 5 satellites
- 30 Neptune and 2 satellites
- 31 Pluto;

32-43 **the signs** (symbols) **of the zodiac** (zodiacal signs):

- 32 Aries (Ram)
- 33 Taurus (Bull)
- 34 Gemini (the Twins)
- 35 Cancer (Crab)
- 36 Leo (Lion)
- 37 Virgo (Virgin)
- 38 Libra (Balance, Scales)
- 39 Scorpio (Scorpion)
- 40 Sagittarius (Archer)
- 41 Capricornus (Capricorn, Goat)
- 42 Aquarius (Water-carrier, Water-bearer)
- 43 Pisces (Fishes, Fish);

44-46 **a spiral nebula:**

- 44 the nucleus of the spiral nebula
- 45 the spiral arm
- 46 the diameter of the spiral nebula;
- 47-50 schematic edge-on view of the Milky Way:
- 47 the nucleus of the galactic system
- 48 the approximate position of our solar system
- 49 the border zone consisting of dark nebulae
- 50 the depth;
- 51 the great **Orion nebula**, a gaseous nebula



7 Astronomy III

1-12 the moon:

- 1 the moon's orbit (revolution of the moon round the earth)
- 2-7 the lunar phases (moon's phases, lunation):
- 2 the new moon
- 3 the crescent (waxing moon)
- 4 the half-moon (first quarter)
- 5 the full moon
- 6 the half-moon (last quarter, third quarter)
- 7 the crescent (waning moon);
- 8 the earth (terrestrial globe)
- 9 the direction of sunlight
- 10 the surface of the moon:
- 11 a lunar sea, a barren level area
- 12 a lunar crater (moon crater);

13-18 the planets,

- 13 the surface of Mars:
- 14 the polar cap of Mars
- 15 the so-called canals of Mars;
- 16 Saturn:
- 17 the rings of Saturn
- 18 belts in Saturn's atmosphere;

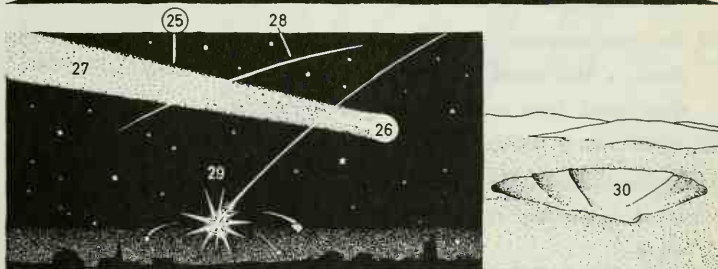
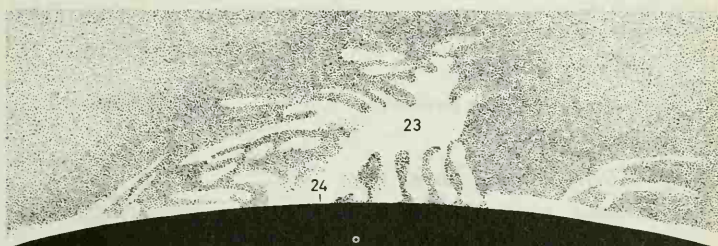
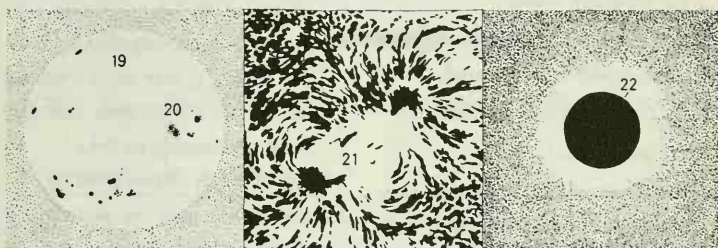
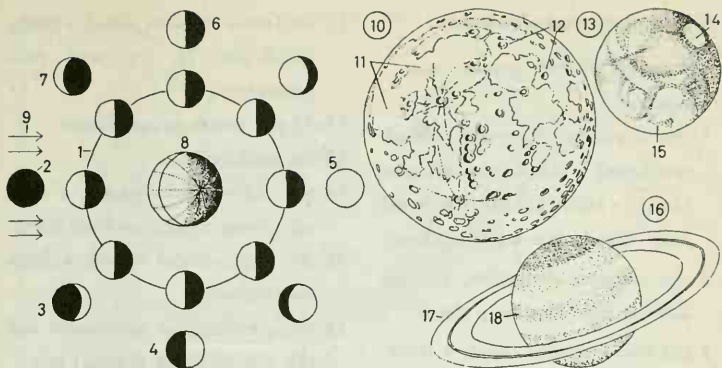
19-23 the sun:

- 19 the solar disc (solar globe, solar sphere)
- 20 sunspots
- 21 eddies in the surroundings of sunspots

- 22 the corona (corona of the sun), the sun's limb (sun's halo), observable during total solar eclipse or by means of special instruments
- 23 prominences (erupting clouds of gas);
- 24 the moon's limb at a total solar eclipse

25 the comet:

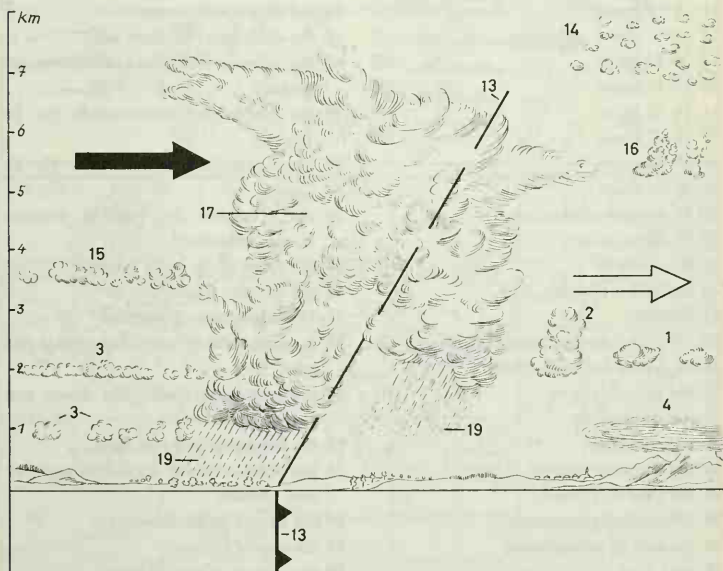
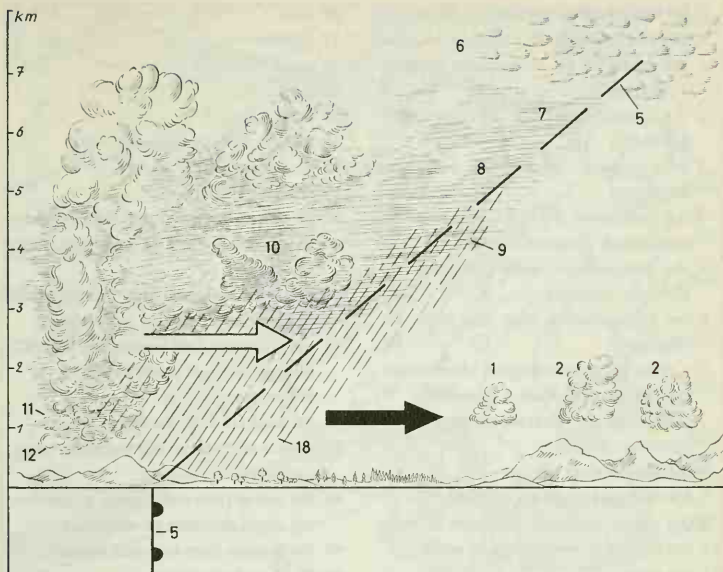
- 26 the comet's head (comet's nucleus)
- 27 the comet's tail (comet's train);
- 28 the shooting star (falling star, meteor, bolide, fire ball):
- 29 the meteorite (aerolite, siderite)
- 30 the meteoric crater



8 Meteorology I

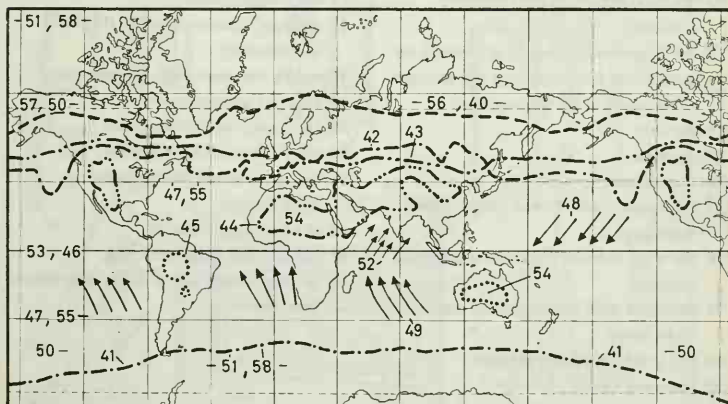
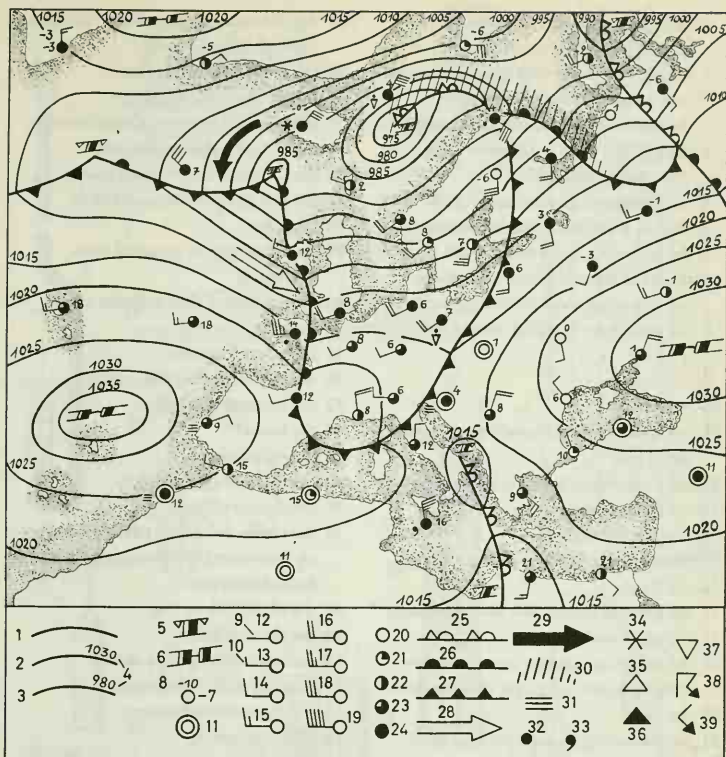
1-19 clouds and weather,

- 1-4 clouds of homogeneous air masses:
 - 1 the cumulus (cumulus cloud, wool-pack cloud, cauliflower cloud), a billowy cloud (flat-based heap cloud, fair-weather cloud)
 - 2 the cumulus congestus, a more actively billowing heap cloud
 - 3 the stratocumulus cloud, a thick, lumpy sheet cloud
 - 4 the stratus cloud (high fog), a thick, uniform sheet cloud;
- 5-12 the clouds at warm fronts:
 - 5 the warm front
 - 6 the cirrus cloud, a high to very high ice-crystal cloud, thin, with many varied forms
 - 7 the cirro-stratus cloud, an ice-crystal haze cloud
 - 8 the alto-stratus cloud, a medium-high sheet cloud
 - 9 the alto-stratus praecipitans, a sheet cloud with precipitation (rain streaks) from above
 - 10 the nimbo-stratus or nimbus cloud, a rain cloud, very thick sheet cloud, from which precipitation (rain or snow) falls
 - 11 the fracto-stratus cloud, a wispy cloud below the nimbo-stratus cloud
 - 12 the fracto-cumulus cloud, a wispy cloud like 11, but with protuberances;
- 13-17 the clouds at cold fronts:
 - 13 the cold front
 - 14 the cirro-cumulus cloud, a delicate, fleecy cloud (mackerel cloud)
 - 15 the alto-cumulus cloud, a large fleecy cloud
 - 16 the alto-cumulus castellanus and the alto-cumulus floccus, subspecies of 15
 - 17 the cumulo-nimbus cloud (thunder cloud), a very thick swelling cloud; associated with thunderstorms belonging to 1-4;
- 18 and 19 kinds of precipitation:
 - 18 the steady rain or snowfall, a steady precipitation
 - 19 the shower, a sudden (local, passing) precipitation



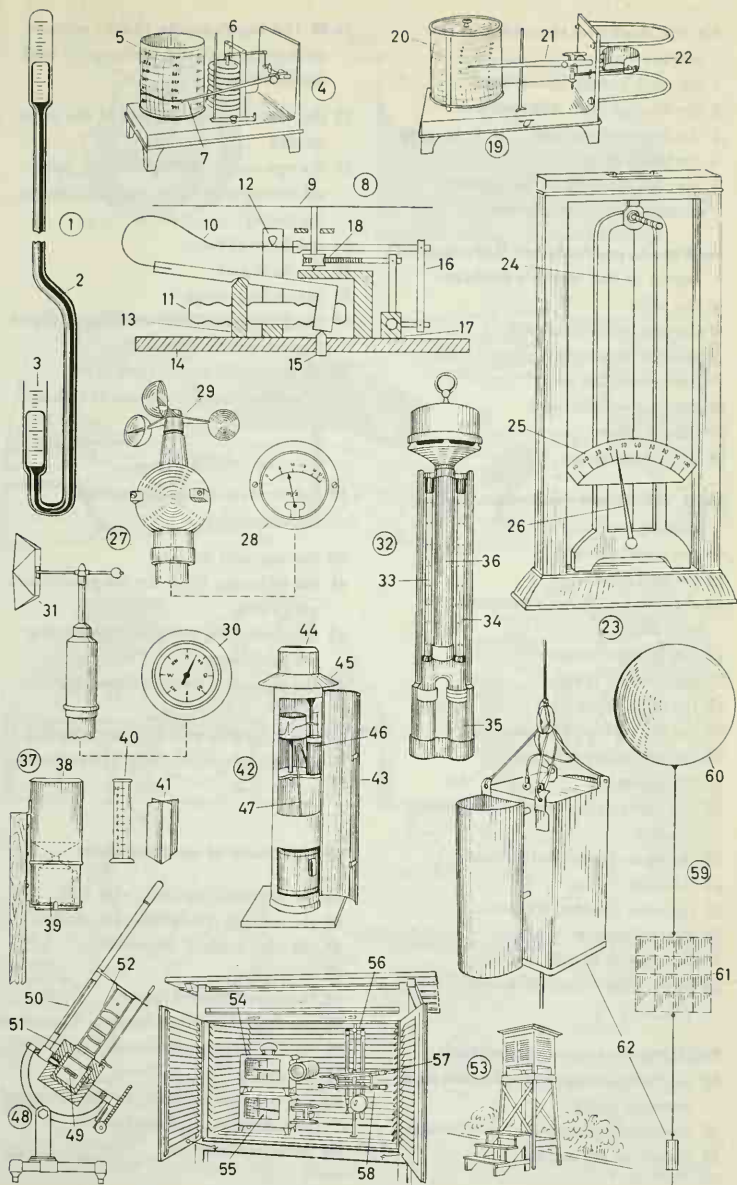
9 Meteorology II and Climatology

- 1-39 the weather chart** (weather map):
- 1 the isobar (isobaric line, line of equal atmospheric, or barometric, pressure at sea level)
 - 2 the pcliobar (isobar of more than 1,000 mb)
 - 3 the meciobar (isobar of less than 1,000 mb)
 - 4 the indication of the barometric (atmospheric) pressure in millibars (mb)
 - 5 the low-pressure area (the low, depression, cyclone)
 - 6 the high-pressure area (the high, anticyclone)
 - 7 a place of meteorological observation (meteorological station, weather station) or an observation ship (weather ship)
 - 8 the temperature
- 9-19 the representation of wind:**
- 9 the arrow showing direction of wind
 - 10 the feather showing force of wind
 - 11 the calm
 - 12 1- 2 knots
 - 13 3- 7 knots
 - 14 8-12 knots
 - 15 13-17 knots
 - 16 18-22 knots
 - 17 23-27 knots
 - 18 28-32 knots
 - 19 58-62 knots;
 - 20-24 degrees of cloudiness:
 - 20 cloudless (clear)
 - 21 fair (bright)
 - 22 somewhat cloudy
 - 23 cloudy
 - 24 overcast (sky completely covered);
 - 25-29 fronts and air currents:
 - 25 the occluded front
 - 26 the warm front
 - 27 the cold front
 - 28 the warm air current
 - 29 the cold air current;
 - 30-39 weather phenomena:
 - 30 the area of precipitation
 - 31 mist (fog)
 - 32 rain
 - 33 drizzle
 - 34 snow
 - 35 sleet
 - 36 hail
 - 37 shower (*Am.* rainstorm)
 - 38 thunderstorm
 - 39 sheet-lightning;
- 40-58 the climatic chart** (climate map):
- 40 the isotherm (line of equal mean temperature)
 - 41 the zero isotherm (line joining places of 0° C. mean annual temperature)
 - 42 the isocheim (line connecting places having the same mean winter temperature)
 - 43 the isothere (line joining points on earth's surface having the same mean summer temperature)
 - 44 the isohel (line connecting places having equal duration of sunshine)
 - 45 the isohyet (line of equal rainfall);
 - 46-52 the wind systems,
 - 46 and 47 the calm-zones:
 - 46 the doldrums (doldrum belt)
 - 47 the sub-tropical calm-zone (horse latitudes);
 - 48 the North-East trade winds (N. E. Trades)
 - 49 the South-East trade winds (S. E. Trades)
 - 50 the zones of the variable westerly winds (westerlies)
 - 51 the zones of the polar winds
 - 52 the summer monsoon;
 - 53-58 the climates of the earth:
 - 53 the equatorial climate: the tropical rain belt
 - 54 the two desert belts: the desert and steppe zones
 - 55 the two temperate rain belts
 - 56 the boreal climate (mountain and plateau climate)
 - 57 and 58 the polar climates:
 - 57 the tundra climate
 - 58 the climate of eternal frost



10 Meteorological Instruments

- 1–18 instruments for measuring atmospheric pressure,
- 1 the mercury barometer, a siphon barometer, a liquid-column barometer:
- 2 the mercury (quicksilver) column
- 3 the millibar scale (millimetre scale, *Am.* millimeter scale);
- 4 the barograph of a meteorological station, a self-recording barometer:
- 5 the recording drum or cylinder
- 6 the set of aneroid boxes (chambers)
- 7 the recording lever (recording arm);
- 8 the barometer (aneroid barometer, aneroid):
- 9 the pointer
- 10 the spring
- 11 the sealed, almost completely evacuated metal box
- 12 the connection between box and spring
- 13 the spring support
- 14 the base plate
- 15 the spring-regulating device
- 16 the lever
- 17 the pivoted connection rod (regulator)
- 18 the spiral spring;
- 19 the thermograph of a meteorological station, a self-recording thermometer:
- 20 the drum
- 21 the recording lever (recording arm)
- 22 the measuring element (sensitive element);
- 23 the hygrometer (hair hygrometer), an instrument for measuring the amount of moisture in the atmosphere:
- 24 the hair
- 25 the scale
- 26 the pointer;
- 27 the anemometer (wind gauge, *Am.* wind gage):
- 28 the wind velocity counter (wind speed counter)
- 29 the cross with hemispherical cups (*Am.* cross arms)
- 30 the wind direction indicator
- 31 the wind vane;
- 32 the Assmann psychrometer (wet and dry bulb hygrometer):
- 33 the dry bulb thermometer
- 34 the wet bulb thermometer
- 35 the polished tube to protect thermometer bulbs against sun rays
- 36 the suction tube (main air duct);
- 37 the rain gauge (*Am.* rain gage):
- 38 the funnel
- 39 the collecting jar or vessel (rain collector)
- 40 the graduated glass cylinder (rain measure)
- 41 the insert for snow;
- 42 the self-recording rain gauge:
- 43 the housing (casing)
- 44 the funnel
- 45 the rain-deflector
- 46 the recording mechanism
- 47 the siphon-tube;
- 48 the silver-disk (disc) pyrheliometer, an instrument for measuring the sun's heat and energy:
- 49 the silver disk or disc
- 50 the thermometer
- 51 the insulated wooden casing
- 52 the tube with diaphragm;
- 53 the thermometer screen:
- 54 the hygrograph
- 55 the thermograph
- 56 the psychrometer (wet or dry bulb hygrometer)
- 57 and 58 thermometers for measuring extreme temperatures:
- 57 the maximum thermometer
- 58 the minimum thermometer;
- 59 the radio-sonde (radio-sounding apparatus):
- 60 the hydrogen balloon
- 61 the foils for radar sounding
- 62 the instrument box with the short-wave transmitter



11 General Geography I

1-5 the shell-like structure of the earth:

- 1 the earth's crust (lithosphere)
- 2 the flowage zone (substratum)
- 3 the intermediate layer
- 4 the lower layer
- 5 the core of the earth (barysphere bathysphere, centrosphere);

6-12 the hypsometrical (hypsographic) curve of the earth's surface:

- 6 the peak
- 7 the continental platform
- 8 the continental shelf
- 9 the continental slope
- 10 the deep-sea platform
- 11 the sea level
- 12 the oceanic deeps;

13-20 volcanism (vulcanism, volcanicity, vulcanicity):

- 13 the shield volcano
- 14 the lava plateau
- 15 the active volcano, a composite volcano:
- 16 the volcano crater
- 17 the conduit (vent)
- 18 the lava stream
- 19 the tuff (volcanic fragments)
- 20 the subterranean volcano;
- 21 the geyser:
- 22 the water and steam jet or fountain or column
- 23 the sinter (geyserite) terraces;
- 24 the cone
- 25 the maar (extinct volcano):
- 26 the tuff deposit
- 27 the conduit breccia
- 28 the conduit (vent) of the extinct volcano;

29-31 the plutonic magmatism:

- 29 the batholith (igneous plutonic rock, intrusive rock)
- 30 the laccolite (laccolith), an intrusion
- 31 the sill, an ore deposit;

32-38 the earthquake [*kinds*: tectonic earthquake, volcanic earthquake] and seismology:

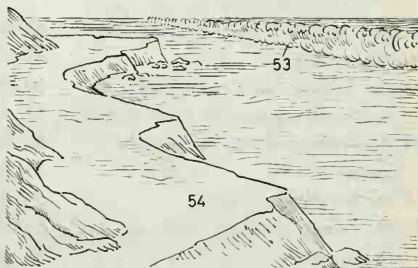
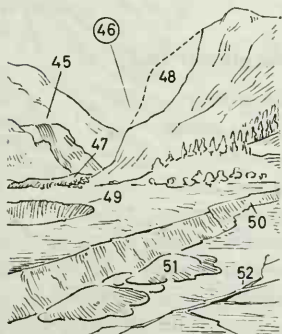
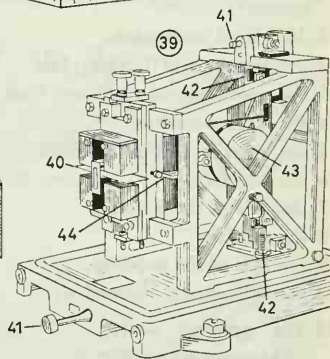
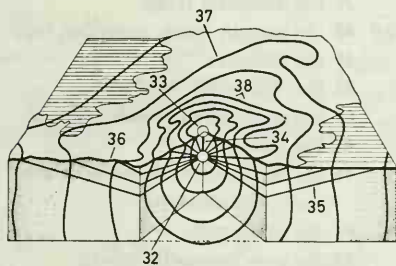
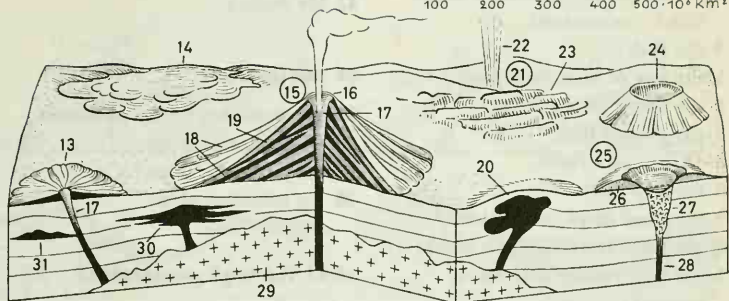
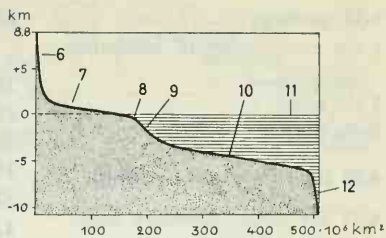
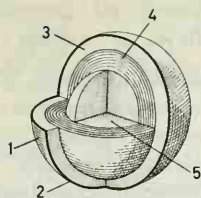
- 32 the seismic focus (origin of the earthquake)
- 33 the epicentre (*Am.* epicenter); point on the earth's surface vertically above the focus)
- 34 the depth of focus
- 35 the wave path
- 36 the surface waves
- 37 the isoseismal (line connecting places of same seismic intensity)
- 38 the epicentral region (area of the greatest seismic vibrations or shocks);

39 the horizontal seismograph (seismometer):

- 40 the magnetic damper
- 41 the adjusting knob for the pendulum's own swing
- 42 the pendulum spring for suspending the pendulum
- 43 the pendulum weight (stationary mass)
- 44 the induction coils for the indicating current of the recording galvanometer;

45-54 effects of earthquakes:

- 45 the waterfall (cataract, *Am.* fall)
- 46 the landslip (landslide, *Am.* slip):
- 47 the talus (area of deposition)
- 48 the scar;
- 49 the funnel-shaped fissure
- 50 the displacement of land
- 51 the sludge cone (mud cone)
- 52 the fissure
- 53 the tsunami (seismic sea wave) caused by submarine earthquake
- 54 the raised beach



12 General Geography II

1-33 geology,

- 1 the stratification of sedimentary rocks;
- 2 the strike
- 3 the dip;

4-20 the mountain building,

- 4-11 the block mountains fault block mountains),
- 4 the fault:
- 5 the line of fault (faultplane)
- 6 the throw of the fault;
- 7 the normal fault
- 8-11 complex faults:
- 8 the step faults
- 9 the tilted block mountains
- 10 the horst (elevated fault block)
- 11 the fault trough (rift valley, graben);
- 12-20 folded mountains:
- 12 the symmetrical (upright) fold
- 13 the asymmetrical (inclined) fold
- 14 the recumbent fold
- 15 the overthrust fold (overfold)
- 16 the anticline
- 17 the axis of the anticline
- 18 the syncline
- 19 the axis of the syncline
- 20 the faulted fold mountains;

21 the ground water

(underground water):

- 22 the aquifer (water-bearing stratum or layer)
- 23 the impermeable (watertight, impervious) stratum or layer or bed
- 24 the catchment area (catchment basin)
- 25 the borehole
- 26 the water gushing out, an Artesian well;

27 the mineral oil (petroleum) reservoir in an anticline:

- 28 the impermeable stratum
- 29 the porous layer as reservoir rock
- 30 the natural gas, a gas cap
- 31 the petroleum (mineral oil)
- 32 the water (marginal ground water)
- 33 the derrick;

34 the uplands:

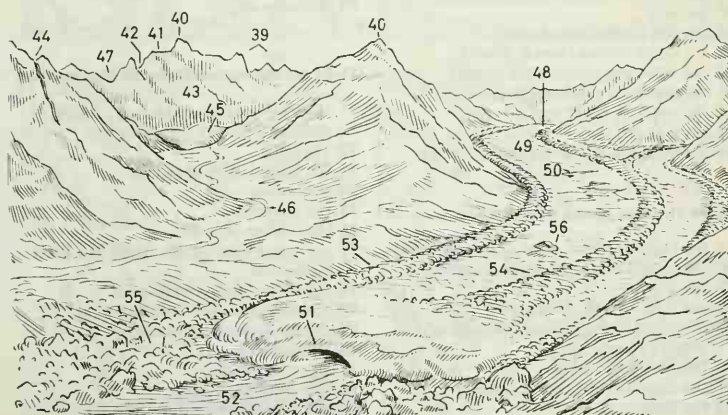
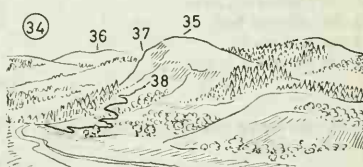
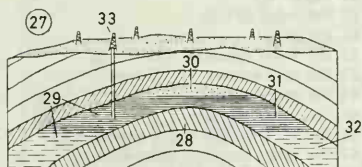
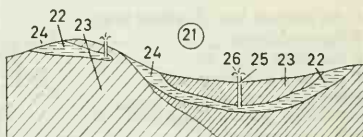
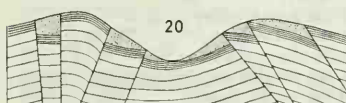
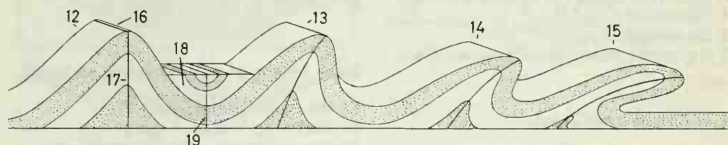
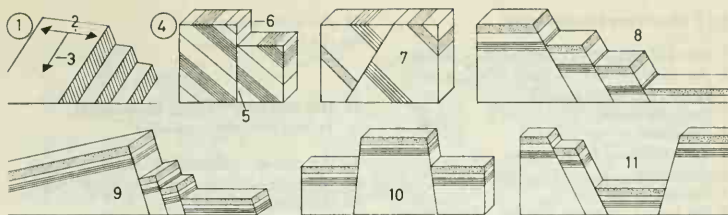
- 35 the round top of the mountain
- 36 the mountain ridge
- 37 the mountain slope
- 38 the hillside spring;

39-47 the high mountains:

- 39 the mountain range
- 40 the summit (peak, mountain top)
- 41 the shoulder
- 42 the mountain saddle
- 43 the steep mountainside
- 44 the gully
- 45 the scree (talus, detritus, debris from a landslide)
- 46 the bridle path
- 47 the pass (mountain pass);

48-56 the glacier ice:

- 48 the névé (firn)
- 49 the valley glacier
- 50 the crevasse
- 51 the glacier snout
- 52 the glacier stream
- 53 the lateral moraine
- 54 the medial moraine
- 55 the terminal (end) moraine
- 56 the surface of the glacier



13 General Geography III

1-13 the river landscape:

- 1 the river mouth (river outfall), a delta
- 2 the distributary (outfall arm), a river arm (*Am.* river branch)
- 3 the lake (*Scotch:* loch)
- 4 the shore
- 5 the peninsula (*Am.* neck)
- 6 the island
- 7 the bay (bight)
- 8 the brook (stream, rivulet, *Am.* creek)
- 9 the levee
- 10 land from which the water has receded
- 11 the meander (bend)
- 12 the meander core
- 13 the water meadow (low-lying meadow);

14-24 the swamp (bog),

- 14 the shallow bog (lowland bog):
- 15 the mud layers
- 16 the water cap
- 17 the reed and sedge peat
- 18 the alder-fen peat;
- 19 the high bog (hill bog):
- 20 the recent peat bed
- 21 the edge of the layer
- 22 the old peat bed
- 23 the bog pool
- 24 the saturated zone;

25-31 the steep coast (high coast, high coastline):

- 25 the stack (sea stack)
- 26 the sea
- 27 the surf
- 28 the cliff (steep face of rock)
- 29 the beach rubble (beach debris)
- 30 the wave-cut notch (cliff notch)
- 31 the wave-cut platform (bench);
- 32 the atoll, a coral reef:
- 33 the lagoon
- 34 the entrance to the lagoon;

35-44 the flat coast (flat beach):

- 35 the high-tide limit (*Am.* tidewater limit)
- 36 the waves breaking on the shore
- 37 the groyne
- 38 the land end of the groyne
- 39 the migratory (drifting, wandering) dune, a dune
- 40 the crescentic dune
- 41 the ripple marks (wind ripples)
- 42 the hummock

- 43 the wind-swept tree

- 44 the beach lagoon;

45 the canyon (cañon, steep-sided valley, *sim.* *Am.* coulee):

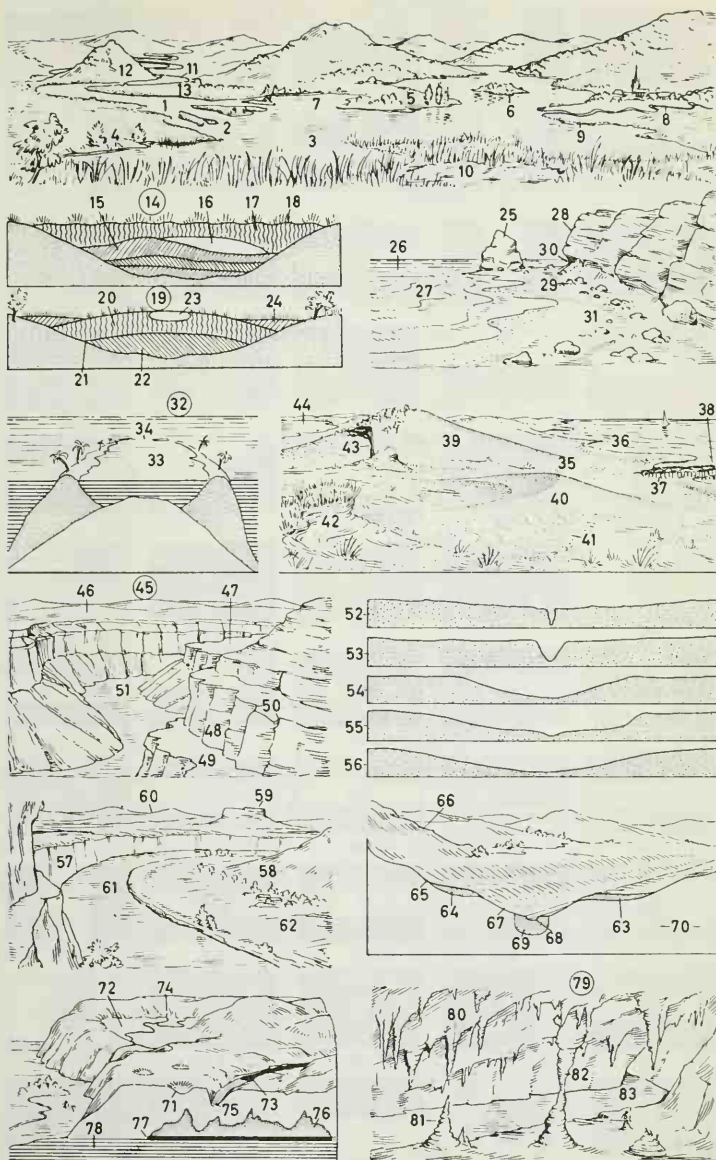
- 46 the plateau (tableland)
- 47 the rock terrace
- 48 the stratified rock
- 49 the bed terrace
- 50 the cleft
- 51 the canyon (cañon) river;

52-56 forms of valleys [cross sections]:

- 52 the gorge (ravine, glen)
- 53 the young V-shaped valley
- 54 the adolescent valley (wide V-shaped valley)
- 55 the mature valley
- 56 the old valley;
- 57-70 the river valley:
- 57 the steep slope
- 58 the gentle slope
- 59 the mesa
- 60 the ridge of hills
- 61 the river
- 62 the water meadow
- 63 the rock terrace
- 64 the gravel terrace
- 65 the valley slope
- 66 the hill (rising ground, eminence)
- 67 the valley bottom (valley floor)
- 68 the river bed
- 69 the deposits (sedimentation)
- 70 the bedrock;

71-83 karst formations in limestone:

- 71 the swallow hole (sink hole, doline, dolina), a funnel-shaped cavity
- 72 the polje
- 73 the percolation of a river
- 74 the spring
- 75 the dry valley
- 76 the system of caves
- 77 the water level (water table) in a karst formation
- 78 the impermeable rock layer
- 79 the stalactite cavern (karst cave),
- 80 and 81 stalactite structures:
- 80 the stalactite
- 81 the stalagmite;
- 82 the column or pillar
- 83 the subterranean river





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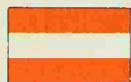
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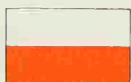
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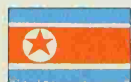
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- 1–26 Europe:
 - 1 Albania
 - 2 Belgium
 - 3 Bulgaria
 - 4 Denmark
 - 5 Germany
 - 6 Finland
 - 7 France
 - 8 Greece
 - 9 Great Britain
 - 10 Eire (The Republic of Ireland)
 - 11 Iceland
 - 12 Italy
 - 13 Yugoslavia
 - 14 Netherlands; Luxembourg
(Luxemburg)
 - 15 Norway
 - 16 Austria
 - 17 Poland
 - 18 Portugal
 - 19 Rumania
 - 20 Sweden
 - 21 Switzerland
 - 22 Union of Soviet Socialist Re-
publics (Soviet Union, U.S.S.R.)
 - 23 Spain
 - 24 Czechoslovakia (Czecho-Slo-
vakia)
 - 25 Hungary
 - 26 Vatican State;
 - 27 Australia
 - 28 New Zealand
- 29–34 America,
 - 29 Canada
 - 30 United States of America
(U.S.A.);
 - 31 Mexico [Central America]
- 32–34 South America:
 - 32 Argentina (The Argentine
Republic)
 - 33 Brazil
 - 34 Chile;
- 35–38 Africa:
 - 35 Egypt
 - 36 Ethiopia
 - 37 Liberia
 - 38 Union of South Africa;
- 39–54 Asia,
 - 39–45 Western Asia (the Near
East):
 - 39 Israel
 - 40 Turkey
 - 41 Lebanon
 - 42 Jordan (Transjordan)
 - 43 Syria
 - 44 Iran (Persia)
 - 45 Iraq (Irak);
 - 46 India
 - 47 Pakistan
 - 48 China (People's Republic)
 - 49 China (Nationalist China)
 - 50 Japan
 - 51 Korea (North Korea)
 - 52 Korea (South Korea)
 - 53 Indonesia
 - 54 Philippine Islands (Philippines);
- 55 United Nations

15 Map I

1-7 the network (grid) of parallels and meridians on the surface of the earth:

- 1 the Equator
- 2 a line of latitude (a line of terrestrial latitude, a line of geographical latitude, a parallel)
- 3 the pole, a terrestrial pole (geographical pole)
- 4 a line of longitude (a line of terrestrial longitude, a line of geographical longitude, a meridian)
- 5 the prime meridian (standard meridian)
- 6 the angle of latitude (angle of geographical latitude, angle of terrestrial latitude)
- 7 the angle of longitude (angle of geographical longitude, angle of terrestrial longitude);

8 and 9 map projections:

- 8 the conical (conic) projection
- 9 the cylindrical projection;

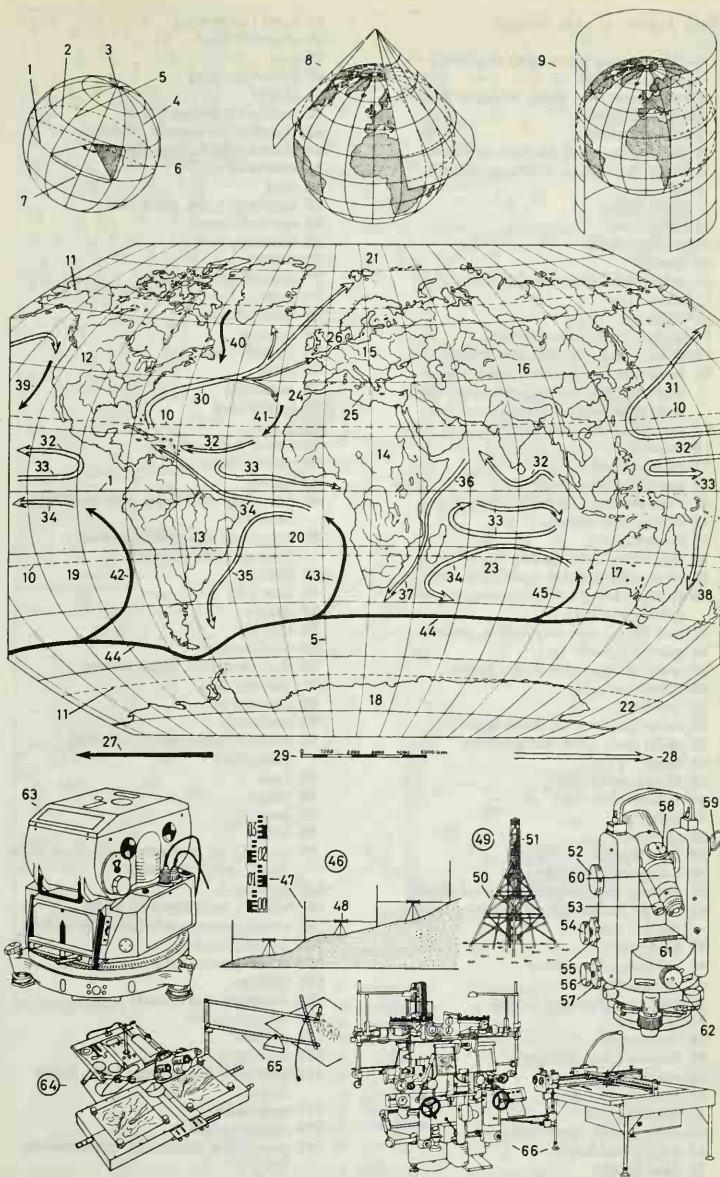
10-45 the map of the world:

- 10 the tropics
- 11 the polar circles
- 12-18 the continents,
12 and 13 the Americas:
12 North America
13 South America;
14 Africa
15 and 16 Eurasia:
15 Europe
16 Asia;
17 Australia
18 the Antarctic (Antarctic Continent, Antarctica);
- 19-26 the ocean (seas):
19 the Pacific Ocean
20 the Atlantic Ocean
21 the Arctic Ocean
22 the Antarctic Ocean (the South Polar Ocean, Southern Ocean)
23 the Indian Ocean
24 the Straits of Gibraltar, a strait
25 the Mediterranean Sea (Mediterranean)
26 the North sea, a fringing sea (marginal sea, epicontinental sea)
- 27-29 the key [to symbols on the map], an explanation of symbols [on the map]:
27 the cold ocean current
28 the warm ocean current
29 the scale;

- 30-45 the ocean currents (oceanic currents)
30 the Gulf Stream (North Atlantic Current, Gulf Stream Drift)
31 the Kuro Shio
32 the North Equatorial Current
33 the Equatorial Counter Current
34 the South Equatorial Current
35 the Brazil Stream
36 the North East Monsoon Drift
37 the Agulhas Current
38 the East Australian Current
39 the California Current
40 the Labrador Current
41 the Canaries Current
42 the Peru Current
43 the Benguela Stream
44 the Antarctic Drift (Antarctic Current, West Wind Drift, Circumpolar Current)
45 the West Australian Current;

46-62 surveying (land-surveying, survey, geodesy, geodetic surveying),

- 46 levelling (*Am.* leveling; geometrical measurement of height):
47 the levelling (*Am.* leveling) staff
48 the level, a telescope level (*Am.* aiming telescope);
49 the trigonometrical point;
50 the supporting scaffold
51 the signal tower;
52 62 the theodolite, an instrument for measuring angles;
52 the micrometer knob
53 the microscope eyepiece
54 the screw for remote control of elevation
55 the elevation lock nut
56 the screw for remote control of lateral movement
57 the lateral lock nut
58 the adjusting knob for the illuminating mirror
59 the illuminating mirror
60 the telescope
61 the transverse level
62 the circular adjustment;
63-66 the aerial photogrammetry (photogrammetry, phototopography):
63 the series topographic camera (*Am.* automatic camera)
64 the stereotape;
65 the pantograph;
66 the stereoplanigraph

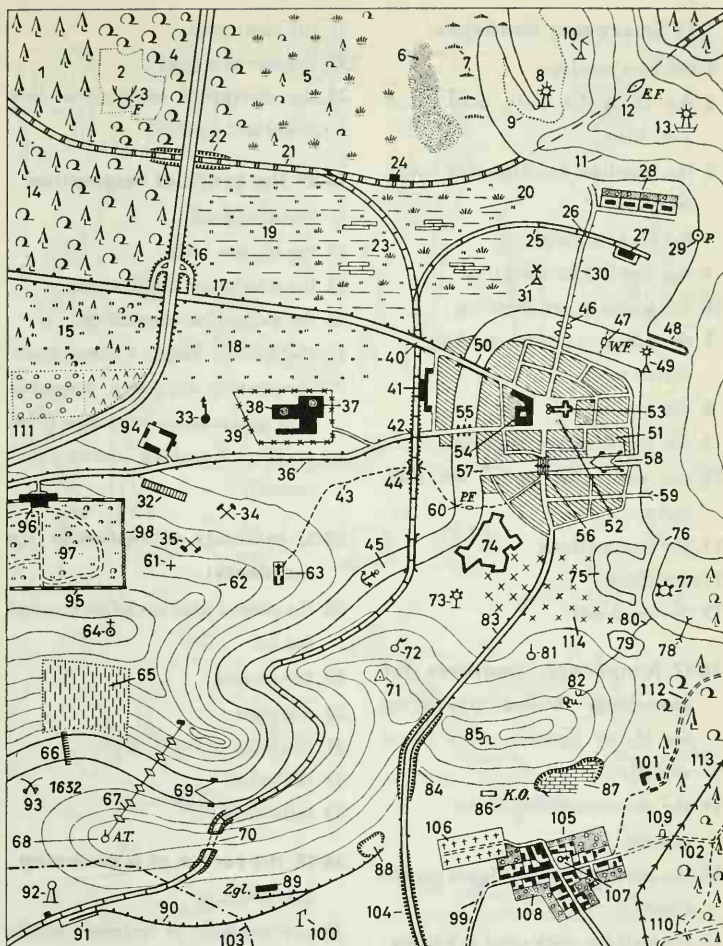


Engl. railway = *Am.* railroad

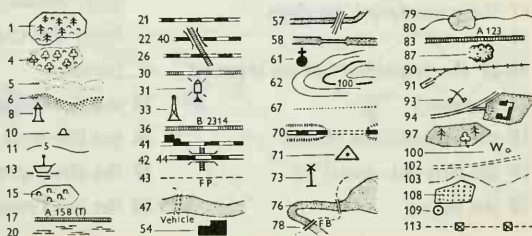
1-114 the map signs (map symbols),
scale 1:25,000:

- 1 coniferous (fir, pine) wood or forest
- 2 clearing (glade)
- 3 forestry office
- 4 deciduous wood (deciduous forest)
- 5 heath (heathland, moor, moorland)
- 6 sand
- 7 lyme-grass
- 8 lighthouse
- 9 shallows limit
- 10 beacon
- 11 subinarine contours (isobathic lines)
- 12 train ferry
- 13 lightship
- 14 mixed wood (mixed forest)
- 15 brushwood (thicket, *Am.* brush)
- 16 autobahn (dual carriageway, super-highway, motorway, *Am.* speedway) with approach (slip road)
- 17 arterial road (trunk road)
- 18 meadow
- 19 swampy meadow
- 20 marsh (swamp, bog)
- 21 main line railway (*Am.* trunk line)
- 22 bridge over railway
- 23 branch line
- 24 signal box (*Am.* switch tower)
- 25 local railway (*Am.* spur, spur line)
- 26 level crossing (*Am.* crossing at grade, grade crossing)
- 27 halt (stop, *Am.* way station, point)
- 28 garden suburb
- 29 water gauge (*Am.* water gage)
- 30 third-class road
- 31 windmill
- 32 salina (salt works, thorn house)
- 33 radio mast (*Am.* radio tower)
- 34 mine
- 35 abandoned mine
- 36 second-class road
- 37 factory
- 38 chimney
- 39 wire fence
- 40 bridge over railway
- 41 railway station (*Am.* railroad depot)
- 42 bridge under railway (railway bridge, railway viaduct)
- 43 footpath
- 44 bridge under railway
- 45 navigable river
- 46 pontoon (floating) bridge
- 47 car ferry
- 48 stone mole
- 49 beacon (*Am.* blinker)
- 50 stone bridge
- 51 town (*Am.* city)
- 52 market place
- 53 church with two towers
- 54 public building
- 55 road bridge
- 56 iron bridge

- 57 canal (waterway)
- 58 chamber lock
- 59 pier
- 60 passenger ferry
- 61 chapel
- 62 contour (contour lines)
- 63 convent (monastery, cloister)
- 64 church visible from afar
- 65 vineyard
- 66 weir
- 67 cableway (*Am.* cable car)
- 68 outlook tower
- 69 retaining lock
- 70 tunnel
- 71 trigonometrical point
- 72 ruin
- 73 wind wheel
- 74 fortress
- 75 ox-bow lake
- 76 river
- 77 watermill
- 78 footbridge
- 79 pond
- 80 brook (*Am.* creek)
- 81 water tower
- 82 spring
- 83 first-class road (*Am.* auto highway, arteria)
- 84 narrow pass (defile; *man-made* : cutting; *Am.* notch)
- 85 cave
- 86 lime kiln
- 87 quarry
- 88 clay pit
- 89 brickworks
- 90 field (portable, light) railway
- 91 loading yard
- 92 monument
- 93 battlefield
- 94 estate (country seat), a domain (demesne)
- 95 wall
- 96 palace
- 97 park
- 98 hedge
- 99 maintained carriageway (private road, drive, *Am.* driveway)
- 100 draw well
- 101 solitary farm (isolated farm)
- 102 cross-country path (*Am.* dustroad)
- 103 district border
- 104 embankment (*Am.* levee)
- 105 village
- 106 cemetery (graveyard)
- 107 village church
- 108 orchard
- 109 milestone
- 110 sign post (finger post, *Am.* finger board)
- 111 tree nursery
- 112 straight glade
- 113 power line (electricity transmission line)
- 114 hop garden (hop yard)



in England:



17 First Aid

1-13 emergency bandages,

- 1 the arm bandage;
- 2 the triangular cloth used as an arm sling;
- 3 the capelline bandage (the head bandage)
- 4 the foot bandage
- 5 the first-aid dressing;
- 6 the sterile gauze dressing
- 7 the adhesive plaster (sticking plaster)
- 8 the wound
- 9 the roll of gauze bandage
- 10 the emergency splint for fractures:
- 11 the fractured leg
- 12 the splint;
- 13 the head-rest;

14-17 temporary measures for stanching blood (the tying up of, or ligature of, a blood vessel):

- 14 the pressure points of the arteries
- 15 the emergency tourniquet on the thigh:
- 16 the walking-stick used as a screw;
- 17 the compression bandage;

18-23 the transport of an injured person:

- 18 the unconscious person
- 19 the first-aid official
- 20 the helper

- 21 the chair grip
- 22 the carrying grip
- 23 the emergency stretcher of two sticks and a jacket;

24-27 the artificial respiration (reanimation):

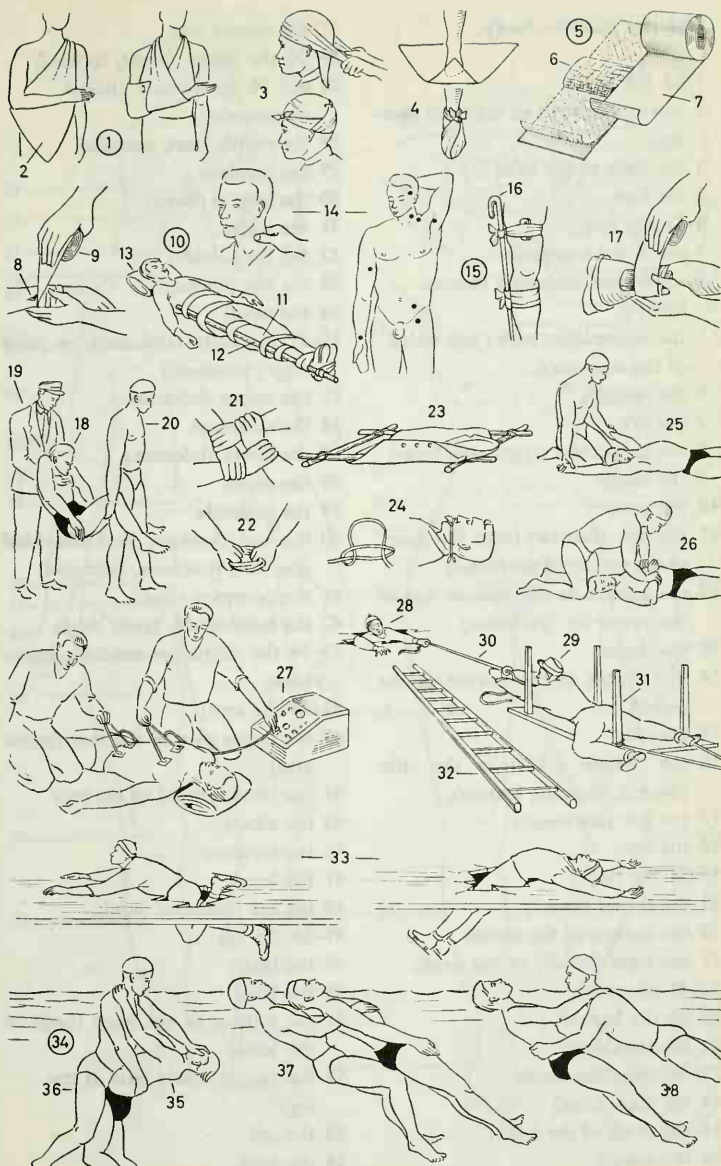
- 24 the tongue hitch
- 25 the inhalation (inspiration)
- 26 the exhalation (expiration)
- 27 the electric lungs, a resuscitator (respiratory apparatus, resuscitation apparatus), a respirator (*Am.* artificial breathing device, pulmotor);

28-33 methods of rescue in ice accidents:

- 28 the person who has fallen through the ice
- 29 the rescuer
- 30 the rope
- 31 the table
- 32 the ladder
- 33 self-rescue;

34-38 the rescue of a drowning person,

- 34 the method of release (release grip, release) to liberate rescuer from the clutch of a drowning person:
- 35 the drowning person
- 36 the life-saver
- 37 the chest grip, a towing grip
- 38 the tired swimmer grip (hip grip)

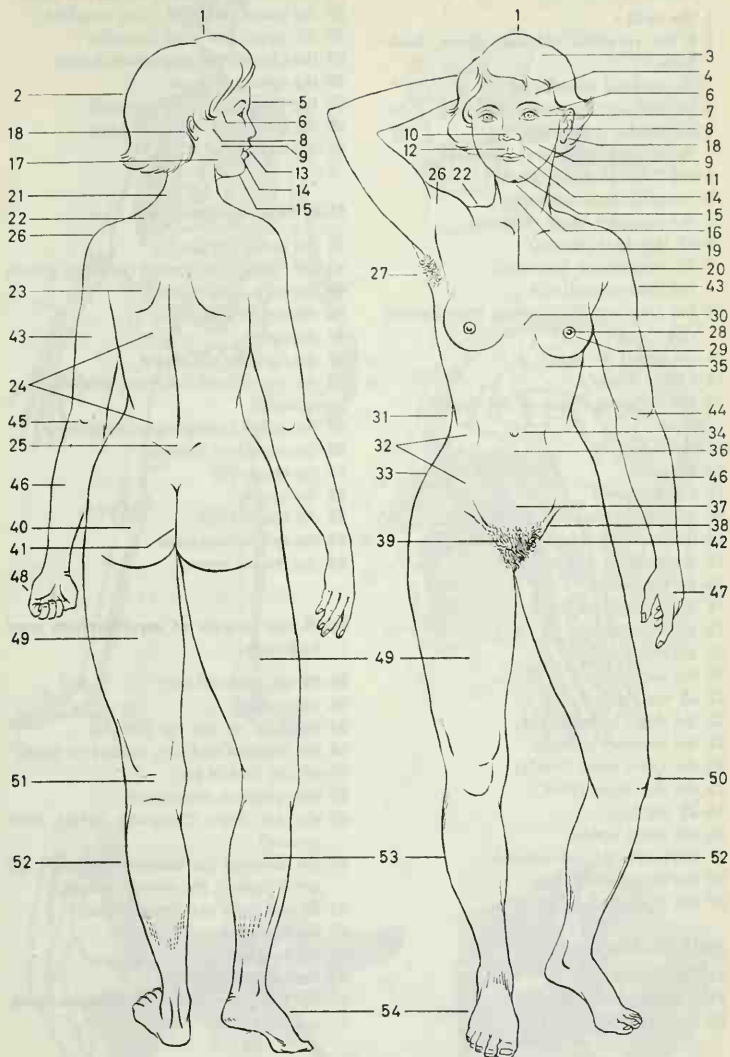


1-54 the human body,

1-18 the head:

- 1 the top (crown) of the head (vertex)
- 2 the back of the head
- 3 the hair
- 4-17 the face,
- 4 and 5 the forehead:
- 4 the frontal eminence (frontal bump)
- 5 the superciliary arch (*pop.* bulge of the forehead);
- 6 the temple
- 7 the eye
- 8 the cheekbone (zygomatic bone)
- 9 the cheek
- 10 the nose
- 11 the line (furrow) from the nose to the corner of the mouth
- 12 the groove at the median line of the upper lip (philtrum)
- 13 the mouth
- 14 the dimple at the corner of the mouth
- 15 the chin
- 16 the dimple (cleft) in the chin (dimple, fossette, fossula)
- 17 the jaw (jawbone);
- 18 the ear;
- 19-21 the neck:
- 19 the throat (gullet)
- 20 the hollow of the throat
- 21 the nape (scruff) of the neck;
- 22-41 the trunk,
- 22-25 the back:
- 22 the shoulder
- 23 the shoulder blade
- 24 the loin (loins)
- 25 the small of the back;
- 26 the armpit

- 27 the armpit hair
- 28-30 the breast (chest, thorax),
- 28 and 29 the breasts (breast, mammae):
- 28 the nipple (teat, mamilla)
- 29 the areola;
- 30 the bosom (bust);
- 31 the waist
- 32 the flank (side)
- 33 the hip (haunch)
- 34 the navel
- 35-37 the belly (abdomen; *in polite usage* : stomach):
- 35 the upper abdomen
- 36 the abdomen
- 37 the lower abdomen;
- 38 the groin
- 39 the pudenda
- 40 the seat (bottom, backside, hind quarters, posterior, buttocks)
- 41 the posterior ruga;
- 42 the bend of the upper thigh
- 43-54 the limbs (extremities, members),
- 43-48 the arm:
- 43 the upper part of the arm (upper arm)
- 44 the bend (crook) of the arm
- 45 the elbow
- 46 the forearm
- 47 the hand
- 48 the fist (clenched hand);
- 49-54 the leg:
- 49 the thigh
- 50 the knee
- 51 the hollow of the knee (back of the knee)
- 52 the shank (lower part of the leg)
- 53 the calf
- 54 the foot



19 Man II

1-29 the skeleton (osseous framework, bones):

- 1 the skull
- 2-5 the vertebral column (spine, back-bone):
 - 2 the cervical vertebra(e)
 - 3 the thoracic (dorsal) vertebra(e)
 - 4 the lumbar vertebra(e)
 - 5 the coccyx (coccygeal vertebrae);
- 6 and 7 the shoulder girdle:
 - 6 the collar bone (clavicle)
 - 7 the shoulder blade (scapula);
- 8-11 the chest (thorax):
 - 8 the breastbone (sternum)
 - 9 the true (sternal) ribs
- 10 the false and the floating (two lowest) ribs
- 11 the costal cartilage;
- 12-14 the arm:
 - 12 the humerus (bone of the upper arm)
 - 13 the radius
 - 14 the ulna;
- 15-17 the hand:
 - 15 the carpal bones (wrist bones)
 - 16 the metacarpal bone(s)
 - 17 the phalanx (phalange);
- 18-21 the pelvis:
 - 18 the ilium (hip bone)
 - 19 the ischium
 - 20 the pubis
 - 21 the sacrum;
- 22-25 the leg:
 - 22 the thigh bone (femur)
 - 23 the kneecap (patella)
 - 24 the splint bone (fibula)
 - 25 the shin bone (tibia);
- 26-29 the foot:
 - 26 the tarsal bones
 - 27 the heel bone (calcaneum)
 - 28 the metatarsal bones
 - 29 the phalanges (toe bones);

30-41 the skull (cranium):

- 30 the frontal bone
- 31 the left parietal bone
- 32 the occipital bone

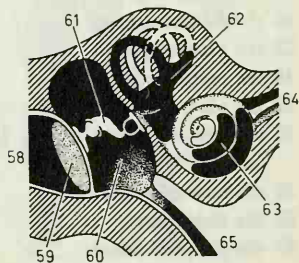
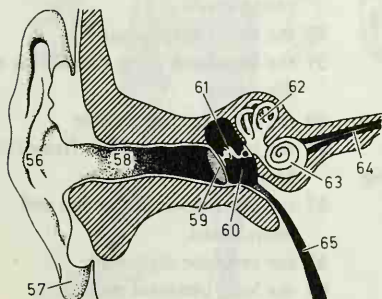
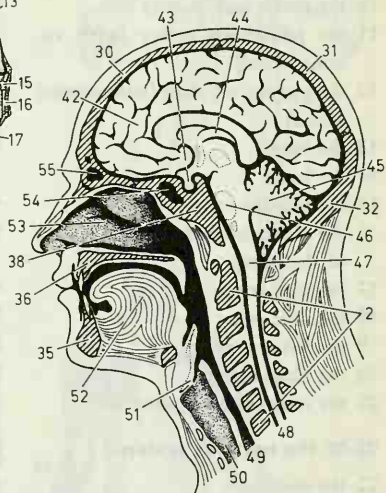
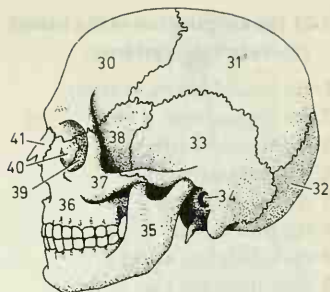
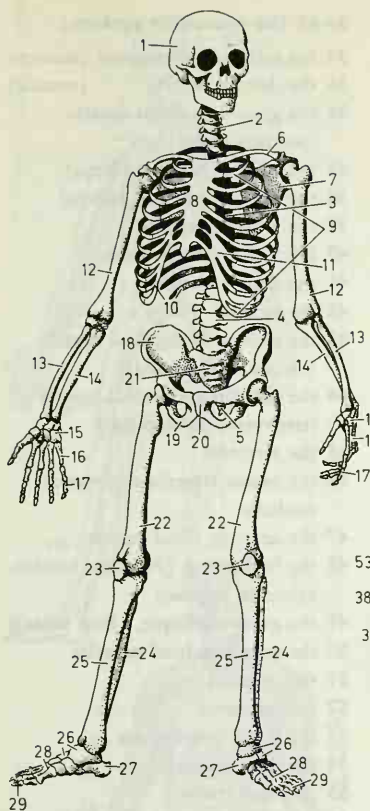
- 33 the temporal bone
- 34 the external auditory meatus or canal
- 35 the lower jaw bone (jaw, mandible)
- 36 the upper jaw bone (maxilla)
- 37 the cheekbone (zygomatic bone)
- 38 the sphenoid bone
- 39 the ethmoid bone (ethmoid)
- 40 the lachrymal (lacrimal) bone
- 41 the nasal bone;

42-55 the head [section]:

- 42 the brain (cerebrum)
- 43 the hypophysis cerebri (pituitary gland)
- 44 the corpus callosum
- 45 the cerebellum
- 46 the pons
- 47 the medulla oblongata
- 48 the spinal cord (marrow, medulla spinalis)
- 49 the gullet (oesophagus, esophagus)
- 50 the windpipe (trachea)
- 51 the epiglottis
- 52 the tongue
- 53 the nasal cavity
- 54 the sphenoidal sinus
- 55 the frontal sinus;

56-65 the organ of equilibrium and hearing,

- 56-58 the external ear:
 - 56 the auricle
 - 57 the lobe of the ear (lobule)
 - 58 the external auditory meatus or canal;
- 59-61 the middle ear:
 - 59 the tympanic membrane
 - 60 the ear drum (tympanic cavity, tympanum)
 - 61 the ossicles: the hammer (malleus), the anvil (incus), the stirrup (stapes);
- 62-65 the inner ear (internal ear):
 - 62 the labyrinth
 - 63 the cochlea
 - 64 the auditory nerve
 - 65 the Eustachian tube (Eustachian canal, auditory tube)



**1-21 the circulation of the blood
(circulatory system):**

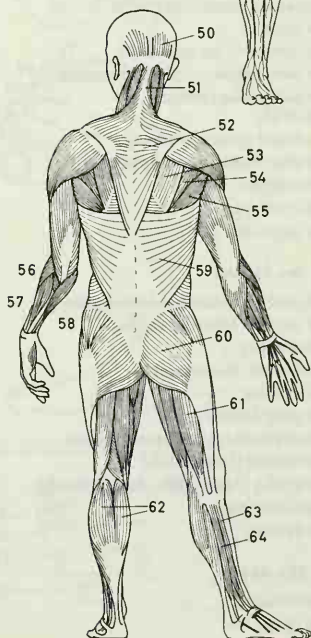
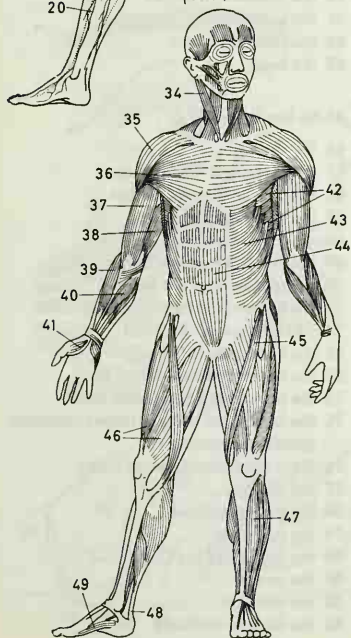
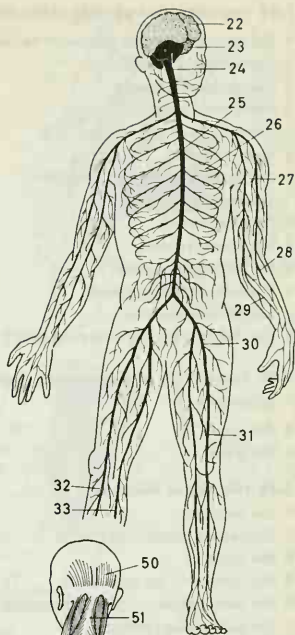
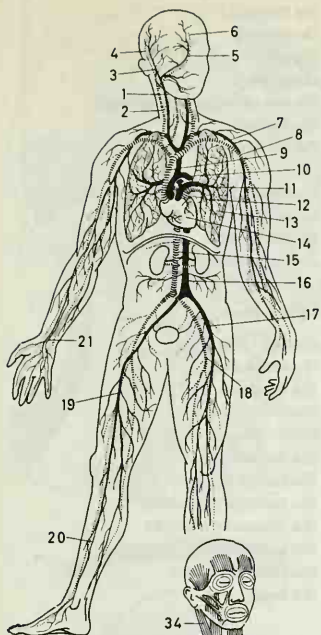
- 1 the carotid artery, an artery
- 2 the jugular vein, a vein
- 3 the temporal artery
- 4 the temporal vein
- 5 the frontal artery
- 6 the frontal vein
- 7 the subclavian artery
- 8 the subclavian vein
- 9 the superior vena cava
- 10 the aortic arch (aorta)
- 11 the pulmonary artery [with venous blood]
- 12 the pulmonary vein [with arterial blood]
- 13 the lungs
- 14 the heart
- 15 the inferior vena cava
- 16 the abdominal (descending branch of the aorta)
- 17 the iliac artery
- 18 the iliac vein
- 19 the femoral artery
- 20 the tibial artery
- 21 the radial artery ('pulse');

22-33 the nervous system:

- 22 the cerebrum
- 23 the cerebellum
- 24 the medulla oblongata (cone)
- 25 the spinal marrow
- 26 the thoracic nerves
- 27 the brachial plexus
- 28 the radial nerve
- 29 the ulnar nerve
- 30 the great sciatic nerve [lying posteriorly]
- 31 the femoral nerve
- 32 the tibial nerve
- 33 the peroneal nerve;

34-64 the muscular system:

- 34 the sternocleidomastoid (annuent
- 35 the deltoid muscle | muscle)
- 36 the greater pectoral muscle
(pectoris major)
- 37 the biceps (brachial biceps)
- 38 the triceps (brachial triceps)
- 39 the brachio radialis
- 40 the flexor carpi radialis
- 41 the thenar muscles
- 42 the serratus anterior
- 43 the oblique abdominal muscle
(oblianus abdominis)
- 44 the straight abdominal muscle
(transversus abdominis)
- 45 the sartorius
- 46 the vastus lateralis and vastus
medialis
- 47 the anterior tibial muscle
- 48 the heel string (Achilles' tendon,
calcaneal tendon)
- 49 the great-toe flexor, a foot muscle
- 50 the posterior head muscles
- 51 the splenius
- 52 the trapezius
- 53 the fascia infraspinata
- 54 the teres minor
- 55 the teres major
- 56 the extensor carpi radialis longus
- 57 the extensor digitorum
communis
- 58 the flexor carpi ulnaris
- 59 the latissimus dorsi (latissimus of
the back)
- 60 the great gluteal muscle
- 61 the biceps of the thigh (femoral
biceps)
- 62 the gastrocnemius medial and
lateral head
- 63 the extensor digitorum
- 64 the long peroneal muscle



21 Man IV

1-13 muscles and glands of the head :

- 1 the annucent muscle (sterno-mastoid)
- 2 the occipital muscle
- 3 the temporal muscle
- 4 the frontal muscle
- 5 orbicularis oculi
- 6 facial muscles
- 7 the great masticatory muscle (masseter)
- 8 orbicularis oris
- 9 the parotid gland
- 10 the lymphatic gland
- 11 the sub-maxillary gland
- 12 the cervical muscles
- 13 the Adam's apple [with men only];

14-37 the cavity of the mouth and the pharynx :

- 14 the upper lip
- 15 the gum

16-18 the set of teeth :

- 16 the incisors
- 17 the canine tooth (eye tooth)
- 18 the molars ;
- 19 the corner of the mouth
- 20 the hard palate (roof of the mouth)
- 21 the soft palate (velum)
- 22 the uvula
- 23 the tonsil (palatine tonsil)
- 24 the pharyngeal cavity (pharynx)
- 25 the tongue
- 26 the lower lip
- 27 the upper jaw

28-37 the tooth :

- 28 the periodontium (pericementum)
- 29 the cement (crusta petrosa, toothbone)
- 30 the enamel (encaustum)
- 31 the dentine
- 32 the pulp (dental pulp)
- 33 the nerve fibres and blood vessels
- 34 the incisor (front tooth)
- 35 the molar (back tooth, double tooth)
- 36 the root (fang)
- 37 the crown ;

38-51 the eye :

- 38 the eyebrow
- 39 the upper lid

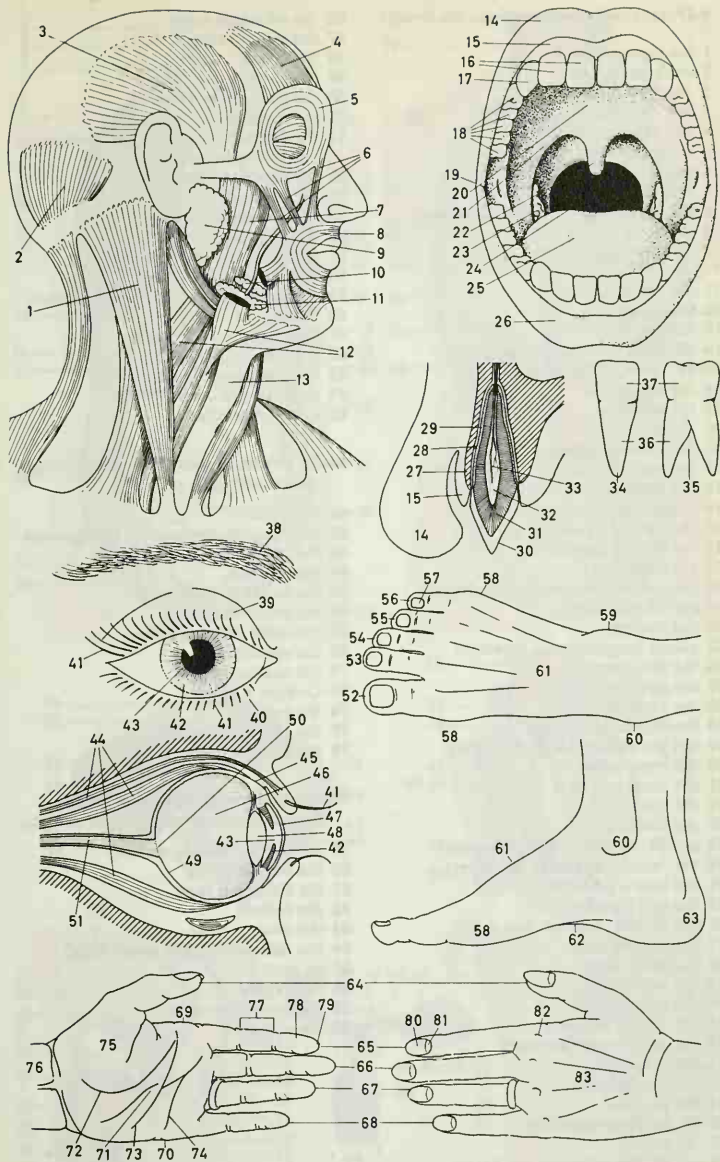
- 40 the lower lid
- 41 the eyelash
- 42 the iris
- 43 the pupil
- 44 the eye muscles (eye strings)
- 45 the eyeball
- 46 the vitreous humour
- 47 the cornea
- 48 the lens (crystalline lens)
- 49 the retina
- 50 the blind spot
- 51 the optic nerve ;

52-63 the foot :

- 52 the big (great) toe
- 53 the second toe
- 54 the third toe
- 55 the fourth toe
- 56 the little toe
- 57 the toe nail
- 58 the ball of the foot
- 59 the external malleolus
- 60 the internal malleolus
- 61 the instep (arch)
- 62 the sole of the foot
- 63 the heel ;

64-83 the hand :

- 64 the thumb
- 65 the forefinger (index finger)
- 66 the middle (second) finger
- 67 the ring finger
- 68 the little finger
- 69 the radial side of the hand
- 70 the ulnar side of the hand
- 71 the palm of the hand (thenar)
- 72-74 the lines of the hand :
- 72 the line of life (life line)
- 73 the line of the head (head line)
- 74 the line of the heart (heart line) ;
- 75 the ball of the thumb (thenar eminence thenar prominence)
- 76 the wrist (carpus, carpal joint)
- 77 the phalanx
- 78 the finger cushion
- 79 the finger tip
- 80 the finger nail (nail)
- 81 the moon
- 82 the knuckle
- 83 the back of the hand



1-57 internal organs [from the front]:

- 1 the thyroid gland
- 2 and 3 the larynx:
- 2 the hyoid bone
- 3 the thyroid cartilage;
- 4 the windpipe (trachea)
- 5 the bronchus
- 6 and 7 the lungs:
- 6 the right lung
- 7 the upper lobe of the lung [section];
- 8 the heart
- 9 the diaphragm
- 10 the liver
- 11 the gall bladder
- 12 the spleen
- 13 the stomach
- 14-22 the intestines (bowels),
- 14-16 the small intestine:
- 14 the duodenum
- 15 the jejunum
- 16 the ileum;
- 17-22 the large intestine:
- 17 the caecum
- 18 the vermiform appendix
- 19 the ascending colon
- 20 the transverse colon
- 21 the descending colon
- 22 the rectum;
- 23 the gullet (oesophagus, esophagus)
- 24 and 25 the heart:
- 24 the auricle
- 25 sulcus longitudinalis anterior;
- 26 the diaphragm
- 27 the spleen
- 28 the right kidney
- 29 the suprarenal gland
- 30 and 31 the left kidney [section]:
- 30 the renal calyx
- 31 the renal pelvis;
- 32 the ureter
- 33 the bladder
- 34 and 35 the liver [from beneath]:
- 34 the lateral ligament [of liver]
- 35 the lobe of the liver;
- 36 the gall bladder
- 37 and 38 the common bile duct:
- 37 the hepatic duct
- 38 the cystic duct;
- 39 the portal vein
- 40 the gullet
- 41 and 42 the stomach:
- 41 the orifice of the stomach
- 42 the pylorus;
- 43 the duodenum
- 44 the pancreas
- 45-57 the heart [section]:
- 45 the atrium
- 46 and 47 the valves of the heart:

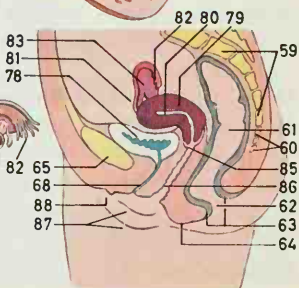
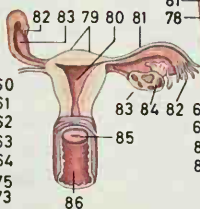
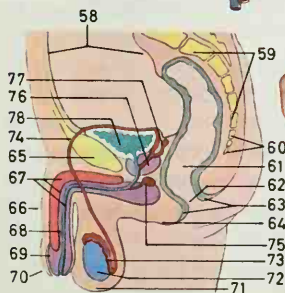
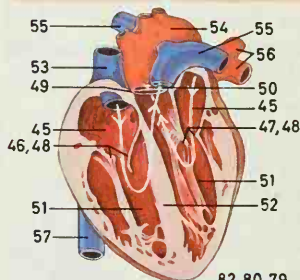
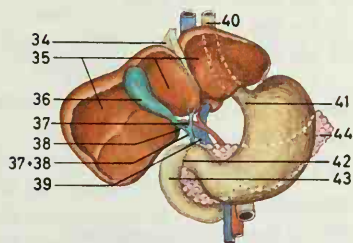
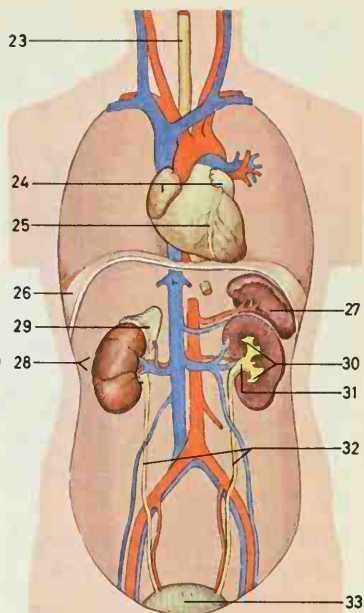
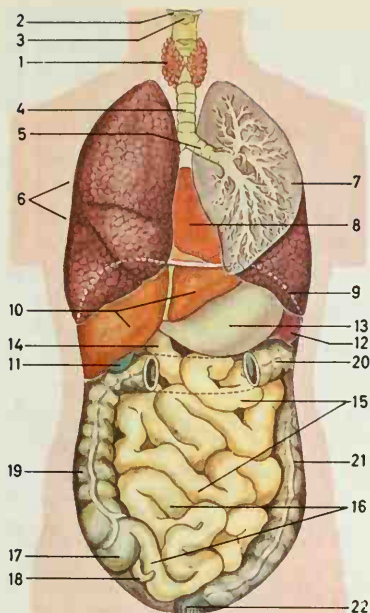
- 46 the tricuspid valve
- 47 the mitral valve;
- 48 the cusps
- 49 the aortic valve
- 50 the pulmonary valve
- 51 the ventricle
- 52 the septum musculare ventriculorum cordis (ventricular septum)
- 53 the superior vena cava
- 54 the aorta
- 55 the pulmonary artery
- 56 the pulmonary vein
- 57 the inferior vena cava;
- 58 the peritoneum
- 59 the rump bone (chine bone, sacrum)
- 60 the coccyx
- 61 the rectum
- 62 the anus
- 63 the sphincter of the anus
- 64 the fork (perineum)
- 65 symphysis pubis

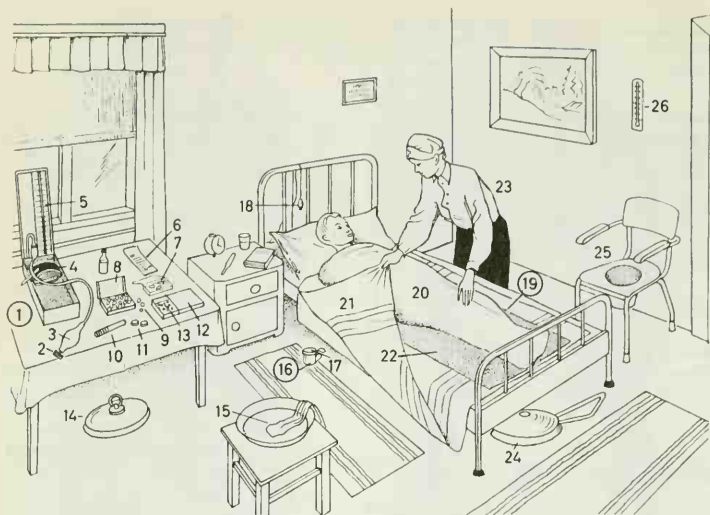
66-77 the male sexual organs [longitudinal section]:

- 66 the penis
- 67 corpus cavernosum and spongiosum
- 68 the urethra
- 69 glans penis
- 70 the foreskin (prepuce)
- 71 the scrotum (purse)
- 72 the right testicle (testis)
- 73 the epididymis
- 74 the spermatic duct
- 75 Cowper's gland
- 76 the prostate
- 77 the seminal vesicle;
- 78 the bladder

79-88 the female sexual organs [longitudinal section]:

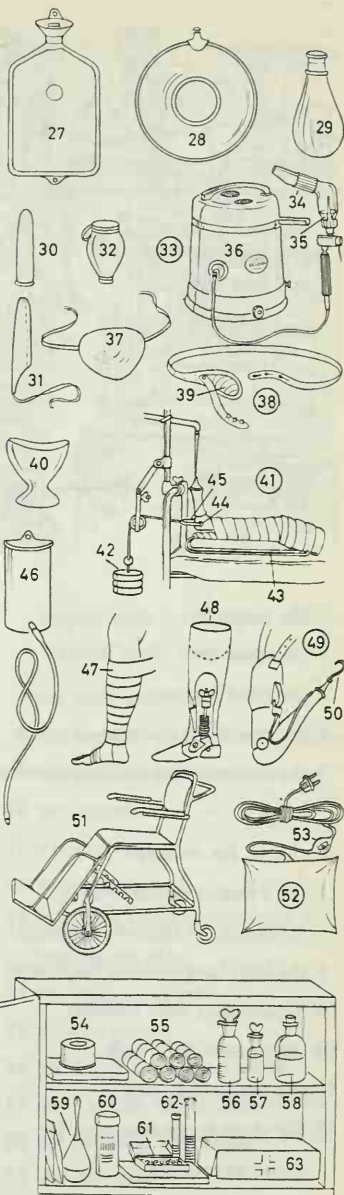
- 79 the uterus (womb, matrix)
- 80 the uterine cavity
- 81 the Fallopian tube
- 82 the fimbria
- 83 the ovary
- 84 the follicle with the ovum (egg)
- 85 os uteri
- 86 the vagina
- 87 the lips of the vulva
- 88 the clitoris

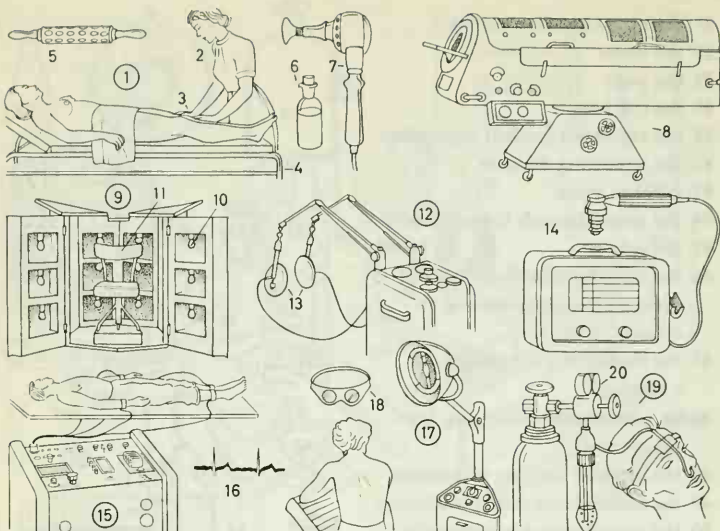




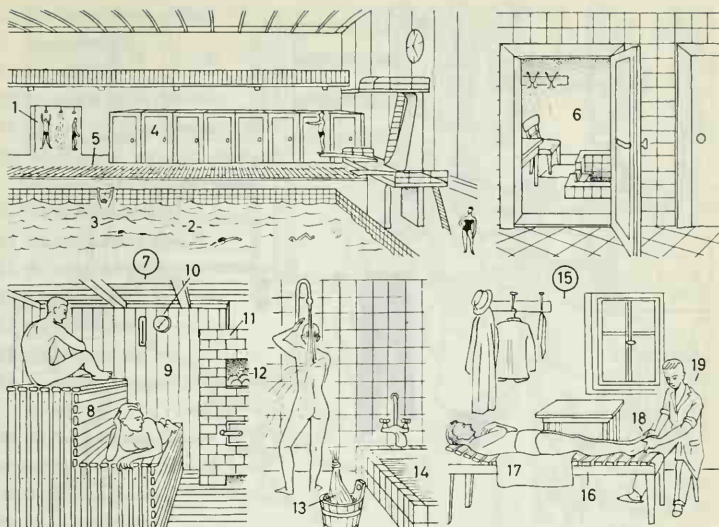
- 1 the sphygmomanometer (instrument for measuring the blood pressure):
- 2 the screw for outlet of air
- 3 the rubber-bulb blower
- 4 the rubber bandage (rubber arm bandage)
- 5 the mercury manometer;
- 6 the prescription
- 7 the suppository
- 8 the pill box
- 9 the pill
- 10 the tablet tube
- 11 the tablet (tabloid, lozenge)
- 12 the packet with sugar-coated pills (drageoir)
- 13 the sugar-coated pill (dragée)
- 14 the hot-water bottle (metal hot-water bottle)
- 15 the wet compress
- 16 the hand spittoon (sputum mug):
- 17 the snap lid;
- 18 the bell push
- 19 the wet pack (packing for whole
- 20 the wet pack sheet [body):
- 21 the blanket
- 22 the rubber sheet;
- 23 the nurse, a lay sister
- 24 the bed pan
- 25 the night stool (close stool, night commode, chair commode)
- 26 the room thermometer
- 27 the rubber hot-water bottle
- 28 the air cushion
- 29 the ice bag
- 30 the finger stall (thumb stall)
- 31 the finger stall with fastening ribbon
- 32 the pocket spittoon (sputum container)
- 33 the inhaler (inhaling apparatus):
- 34 the vaporizer (atomizer)
- 35 the drug for inhalation, an inhalant
- 36 the electric air pump

- 37 the eye shield (eye patch)
 38 the truss:
 39 the pad;
 40 the eye bath
 41 the extension (pulley) apparatus:
 42 the stretching weights
 43 a Braun splint
 44 the wire [through the perforated
 45 the caliper; [bone]
 46 the irrigator (douche, fountain
 syringe) for administering an
 enema
 47 the elastic (crepe) bandage,
 a bandage
48-50 prosthesis (prosthesis, arti-
 ficial limbs):
 48 the artificial leg (leg prosthesis)
 49 the artificial arm (arm prosthesis):
 50 the interchangeable prehensile
 tool;
 51 the invalid chair (wheel chair,
 Bath chair)
 52 the electric warming pad (heating
 pad):
 53 the switch, a three-way switch
 (three-point switch);
54-63 the family medicine chest
 (medicine cupboard):
 54 the sticking plaster (adhesive tape)
 55 the cotton (muslin) bandage
 56 the drop-bottle
 57 the valerian essence
 58 the tincture
 59 the rectal syringe (enema syringe)
 for a baby
 60 the styptic powder in the sprink-
 ling box
 61 the laxative (purgative) pills
 62 the headache tablets
 63 the sanitary towels (*Am.* sanitary
 napkins, napkins)





- 1 the massage:
- 2 the masseuse
- 3 the hand massage
- 4 the couch for massage
- 5 the suction roller (rubberpuncture roller)
- 6 the oil for massage
- 7 the vibrator (apparatus for vibratory, or friction, massage);
- 8 the iron lung (cabinet respirator)
- 9 radiant-heat bath cabinet:
- 10 the electric light bulb
- 11 the irradiation chair;
- 12 the short-wave apparatus for short-wave therapy:
- 13 the electronic pads;
- 14 the ultrasonic (supersonic, *Am.* transsonic, transonic) wave apparatus for ultrasonic (supersonic) wave treatment
- 15 the electrocardiograph:
- 16 the electrocardiogram;
- 17 the ultraviolet lamp (artificial sun, mercury-vapour lamp, quartz lamp, irradiation lamp) for treatment with ultraviolet rays:
- 18 the goggles;
- 19 the oxygen respirator (apparatus for inhalation of oxygen):
- 20 the oxygen meter



1-6 the public baths,

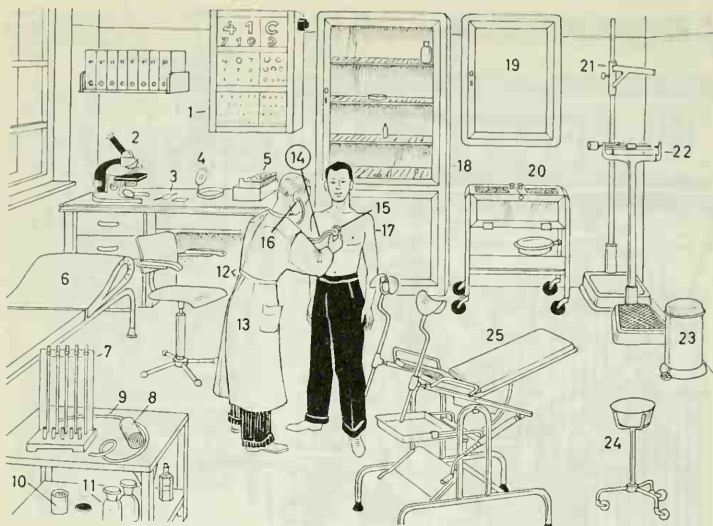
1-5 the indoor swimming pool
(swimming bath):

- 1 the showers (shower baths, douches)
- 2 the swimming pool (basin, *Am.* natatorium, *form.* natatory)
- 3 the artificial waves
- 4 the dressing cubicle (cubicle, dressing cabin, cabin)
- 5 the duckboards (grating of wooden slats);
- 6 the bath;

7-16 the sauna (Finnish hot-air bath); *sim. with hot, damp air* :

vapour bath (*Am.* vapor bath), Turkish bath, Russian bath,

- 7 the hot room:
- 8 the benches (steps) to sit or lie on
- 9 the wooden partition
- 10 the hygrometer
- 11 the sauna stove
- 12 the stones;
- 13 the birch twigs (birch rods) for beating the skin
- 14 the cold-water bath
- 15 the rest room:
- 16 the bench for taking a rest;
- 17 the Turkish towel (bath towel)
- 18 the pedicure (chiroprody)
- 19 the chiropract



1-25 the surgery (consulting room, *Am.* physician's office):

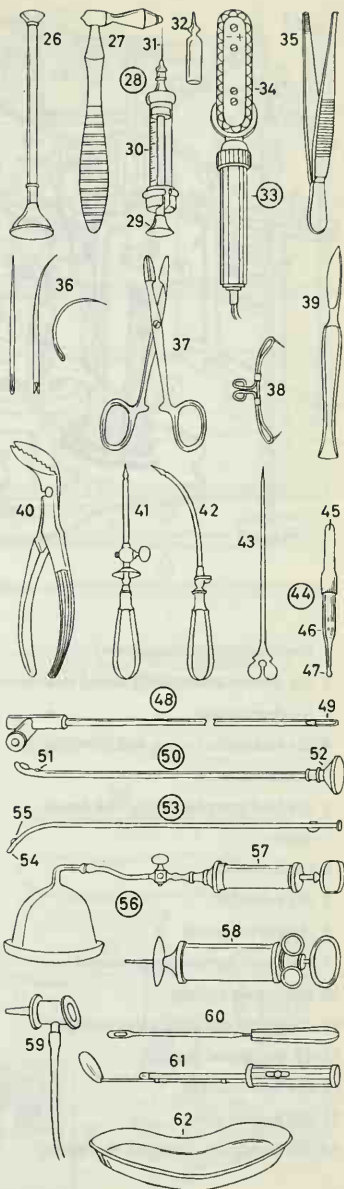
- 1 the sight-testing chart (chart for testing the eyesight)
- 2 the microscope
- 3 the specimen on the glass slide
- 4 the forehead mirror
- 5 the card index of patients
- 6 the examination couch
- 7 the apparatus for hypostasis
- 8 the plaster-of-Paris bandage
- 9 the gastric (intestinal) tube
- 10 the ointment tin with ointment
- 11 the medicine bottle with medicine (with remedy)
- 12 the doctor (physician), a medical man (general practitioner, G. P., or specialist)
- 13 the doctor's coat (doctor's overall)

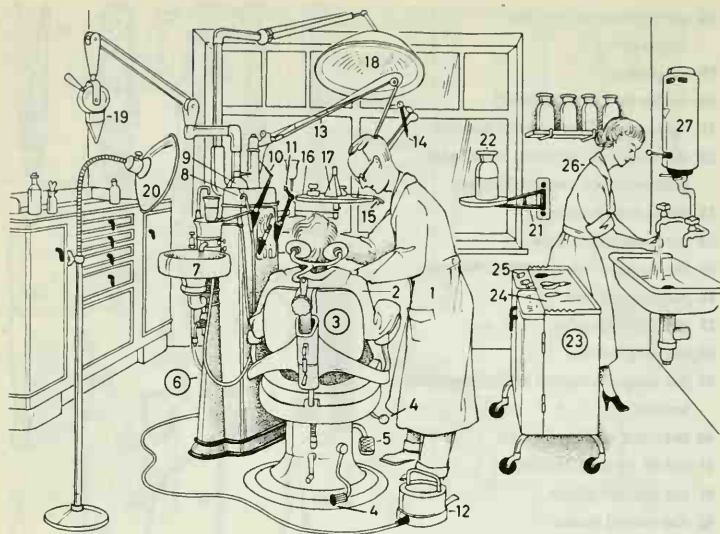
- 14 the stethoscope (membrane stethoscope, phonendoscope), an auscultation apparatus:
- 15 the membrane-covered chestpiece
- 16 the olive-shaped ear nibs;
- 17 the patient under medical treatment
- 18 the instrument cabinet
- 19 the medicine cupboard (medicine cabinet)
- 20 the instrument trolley or table
- 21 the height-measuring gauge (*Am.* gage) for measuring the height of the body
- 22 the weighing-machine standard (scales)
- 23 the refuse bin (pail for used dressings)
- 24 the basin stand
- 25 the gynaeological examination chair;

26-62 medical instruments:

- 26 Piorry's wooden stethoscope
- 27 the percussor

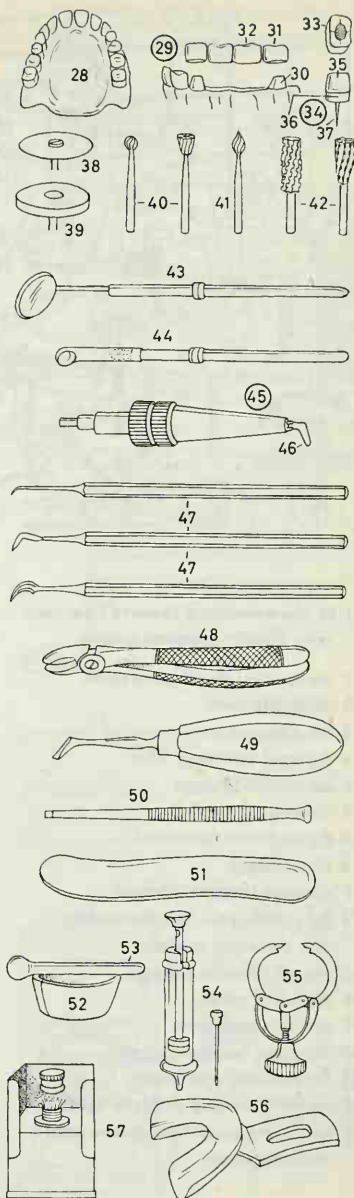
- 28 the hypodermic syringe (hypodermic):
- 29 the plunger
- 30 the barrel (glass cylinder)
- 31 the cannula (hypodermic needle);
- 32 the ampoule (ampulla, phial, vial) with serum or vaccine (lymph)
- 33 the ophthalmoscope:
- 34 the magnifying lens;
- 35 the tweezers (non-toothed forceps)
- 36 surgical needles
- 37 the needle-holder
- 38 the surgical clip
- 39 the scalpel (surgical knife, dissecting knife)
- 40 the bone cutting forceps
- 41 and 42 trocars (trochars):
- 41 the straight trocar
- 42 the curved trocar;
- 43 the probe
- 44 the glass dropper (pipette):
- 45 the rubber cap
- 46 the glass tube
- 47 the ball-shaped nozzle;
- 48 the cautery burner (cautery):
- 49 the cautery cords;
- 50 the cystoscope:
- 51 the small lamp
- 52 the eyepiece;
- 53 the catheter:
- 54 the beak
- 55 the eye;
- 56 the cupping glass (cupping instrument):
- 57 the suction pump;
- 58 the ear syringe
- 59 the auriscope (aural syringe)
- 60 the curette
- 61 the laryngoscope (laryngeal mirror)
- 62 the kidney-shaped bowl (kidney dish)

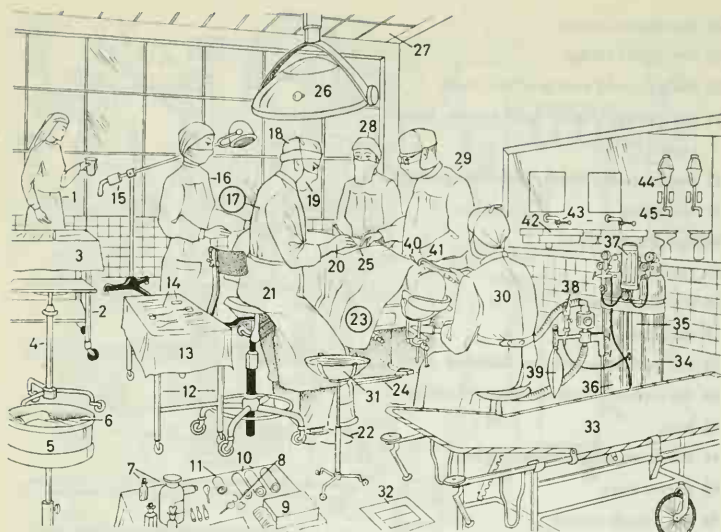




- | | |
|--|---|
| 1 the dentist (dental surgeon) | 15 the handpiece (contra or right angle handpiece); |
| 2 the patient undergoing dental treatment | 16 the bracket table |
| 3 the dental chair; | 17 the amalgam |
| 4 the pedals for raising and lowering the dental chair | 18 the operating lamp |
| 5 the foot lever for tilting the dental chair; | 19 the X-ray apparatus |
| 6 the dental unit: | 20 the radiation lamp |
| 7 the spittoon | 21 the swivelling wall bracket |
| 8 the saliva ejector | 22 the bottle of liquid disinfectant |
| 9 the spray (spraying apparatus) | 23 the instrument cabinet: |
| 10 the hot-air syringe | 24 the instrument table |
| 11 the warm and cold water syringe | 25 the cotton-wool roll; |
| 12-15 the dental engine: | 26 the dentist's assistant |
| 12 the foot control | 27 the rapid water-heater, a non-storage heater |
| 13 the engine arm | |
| 14 the handpiece (straight handpiece) | |

- 28 the upper denture
- 29 the dental bridge :
- 30 the prepared stump of the tooth
- 31 the crown; *kinds* : gold crown, jacket crown
- 32 the porcelain tooth (porcelain pontic);
- 33 the filling
- 34 the post crown :
- 35 the facing
- 36 the diaphragm
- 37 the post;
- 38 the carborundum or diamond disc
- 39 the carborundum or diamond wheel
- 40 burs
- 41 the flame shaped finishing bur
- 42 fissure burs
- 43 the mouth mirror
- 44 the mouth lamp
- 45 the cautery :
- 46 the platinum-iridium electrode;
- 47 the tooth scalers
- 48 the extraction forceps
- 49 the tooth-root elevator
- 50 the bone chisel
- 51 the spatula
- 52 the mortar
- 53 the pestle
- 54 the hypodermic syringe for injection of local anaesthetic
- 55 the matrix-holder
- 56 the impression tray
- 57 the spirit lamp





1-45 the operating theatre (Am. operating theater; operating room):

- | | |
|--|--|
| 1 the theatre (Am. theater) nurse | 17 the surgeon (operating surgeon): |
| 2 the suture table | 18 the operating cap |
| 3 the rubber sheet | 19 the mask (operating mask) |
| 4 the small operating table | 20 the rubber operating glove |
| 5 the sterilizing drum | 21 the operating overall (operating gown, surgeon's overall, Am. overalls) |
| 6 the surgical dressing | 22 the rubber shoe; |
| 7 the medicines (remedies) | 23 the operating table: |
| 8-11 bandages: | 24 the lever for raising and lowering the table top; |
| 8 the swab (tampon, pledget) | 25 the operation area (area to be operated) |
| 9 the cotton-wool (surgical cotton, Am. absorbent cotton) | 26 the operating lamp |
| 10 the roll of sterile bandage | 27 the skylight (glass roof) |
| 11 the roll of gauze; | 28 the woman (lady) assistant surgeon |
| 12 the instrument table | 29 the assistant surgeon (house surgeon, Am. intern, interne) |
| 13 the sterile (sterilized) cloth | 30 the anaesthetist (anesthetist) |
| 14 the sterilized instruments | 31 the sublimate bowl |
| 15 the standard lamp (scialytic light) | 32 the waste outlet (drain) |
| 16 the theatre sister (Am. theater sister; operating sister) | 33 the wheeled stretcher |

34-41 the anaesthetizer (anesthetizer, anaesthetizing apparatus, anesthetizing apparatus):

34 the laughing gas (nitrous oxide) cylinder

35 the carbonic acid container

36 the oxygen cylinder

37 the anaesthesimeter (anesthesimeter, flowmeter)

38 the ether bottle

39 the pressure gauge

40 the pilot balloon

41 the tube;

42-45 the wash room:

42 the wash-basin

43 the tap (*Am.* faucet) with elbow lever (elbow-operated tap, tap operated by elbow)

44 the alcohol container

45 the alcohol tap;

46-59 surgical instruments:

46 the olive-pointed (bulb-headed) probe

47 the hollow sound

48 the curved scissors

49 the lancet

50 the ligature-holding forceps

51 the silk suture

52 the sequestrum forceps

53 the drainage tube

54 the surgeon's tourniquet (torcular)

55 the non-toothed artery forceps (artery tweezers)

56 the blunt hook

57 the bone nippers (bone cutting forceps)

58 the scoop (curette) for erosion (for curettage)

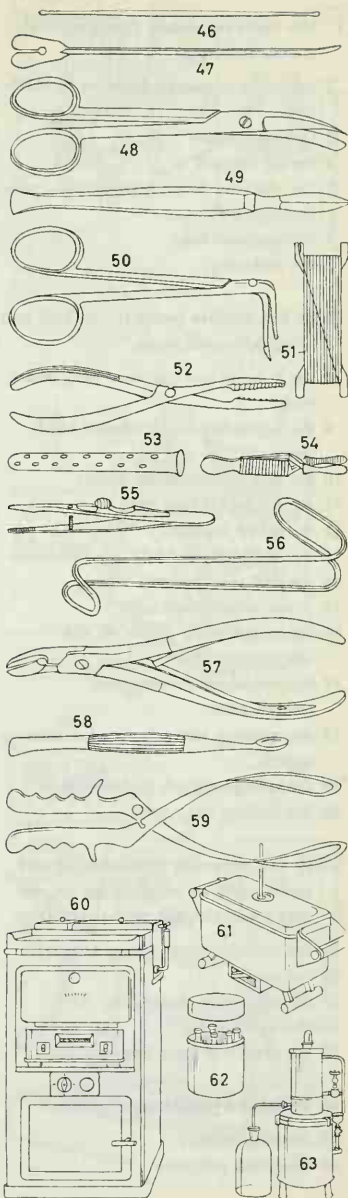
59 the obstetrical forceps (midwifery forceps);

60 the sterilizer (sterilizing apparatus, autoclave)

61 the dry sterilizer

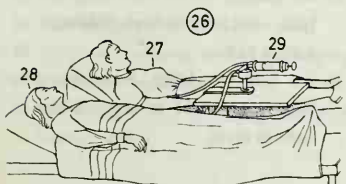
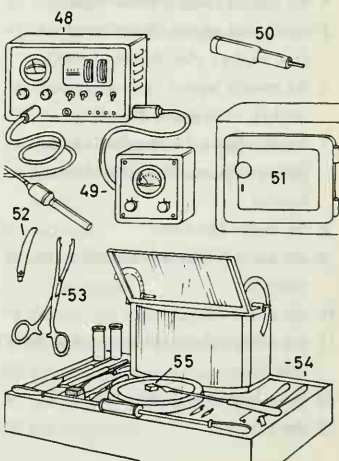
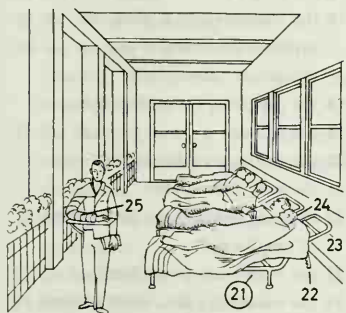
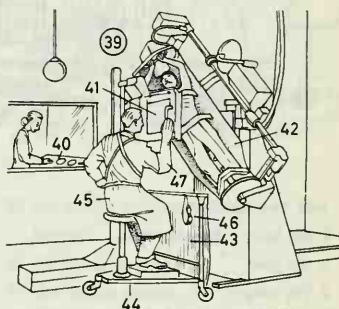
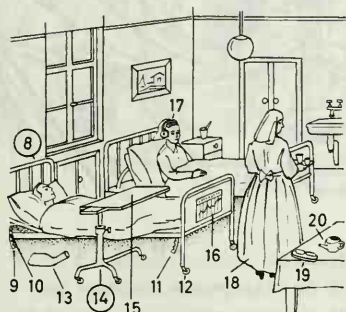
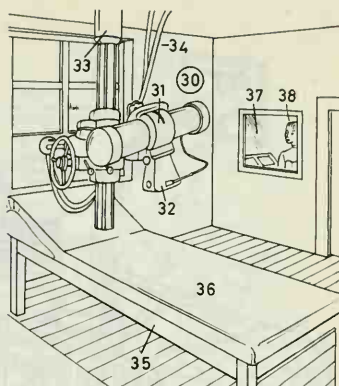
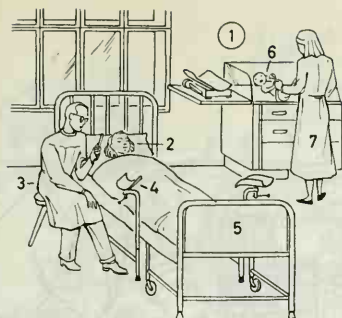
62 the syringe-scalder

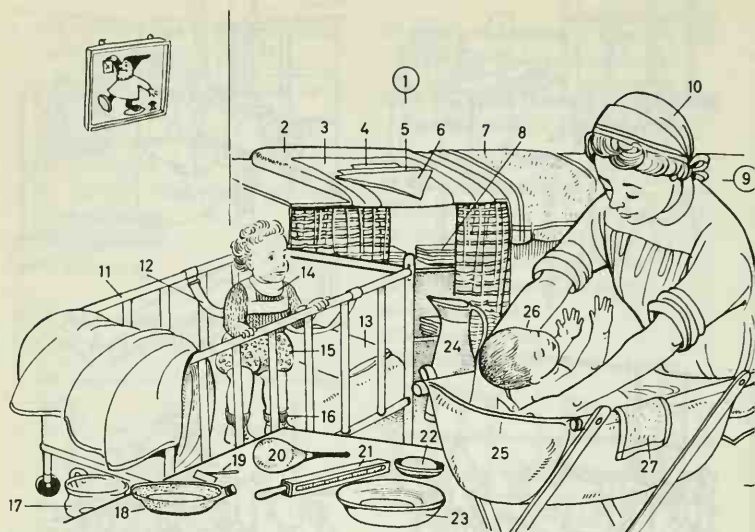
63 the water-distilling apparatus (water-distiller)



29 The Hospital II

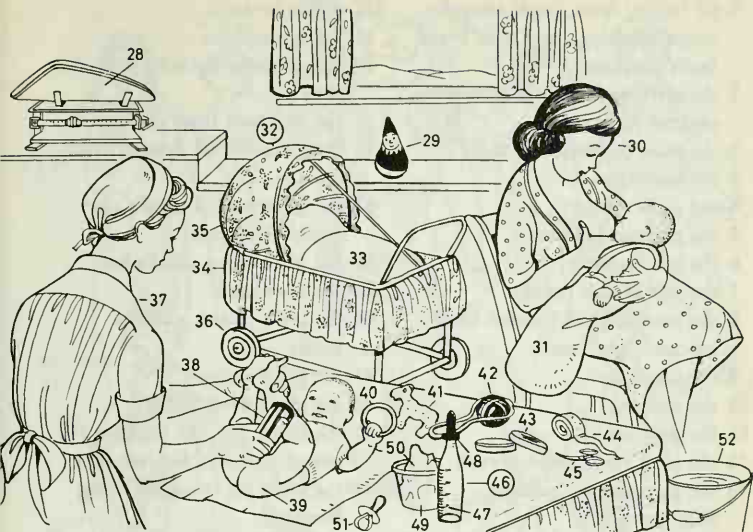
- 1 the delivery room (lying-in room, confinement room):
- 2 the lying-in patient (woman in child-bed)
- 3 the obstetrician
- 4 the leg support
- 5 the delivery bed (lying-in bed, confinement bed)
- 6 the newborn baby
- 7 the midwife;
- 8-20 the double room (room with two beds), a hospital room,
- 8 the hospital bed (patients' bed, wheel bed):
- 9 the adjustable wedge-shaped head rest
- 10 the stop screw (detent screw)
- 11 the adjustable foot end
- 12 the castor (caster);
- 13 the bed bottle (urinal)
- 14 the bed table (patients' table):
- 15 the adjustable table top;
- 16 the temperature graph on the temperature chart
- 17 the earphones (headphones, head receiver)
- 18 the nursing sister (nun of a nursing order)
- 19 the sphygmograph (pulse-counter)
- 20 the feeding cup;
- 21-25 the veranda (verandah) in the open (open-air veranda) for the rest cure (open-air cure, convalescence),
- 21 the reclining chair (chaise longue):
- 22 the ratchet
- 23 the adjustable chair back;
- 24 the convalescent
- 25 the plaster-of-Paris bandage;
- 26 the blood transfusion:
- 27 the blood-donor
- 28 the blood recipient
- 29 the blood transfusion apparatus with three-way tap (*Am. faucet*);
- 30-38 the radio therapy (X-ray therapy, roentgen therapy, X-ray treatment),
- 30 the X-ray apparatus:
- 31 the X-ray tube casing
- 32 the tube
- 33 the overhead support
- 34 the electric cable (electric flex);
- 35 the X-ray table (X-ray couch)
- 36 the upholstery
- 37 the control room
- 38 the assistant radiographer, a radiographer;
- 39-47 the X-ray examination (X-ray),
- 39 the X-ray apparatus (roentgen apparatus, apparatus for radioscopy, for skiagraphy):
- 40 the control panel
- 41 the fluorescent screen
- 42 the X-ray table with tilting action
- 43 the protective screen
- 44 the mobile platform;
- 45 the radiologist
- 46 the adaption goggles
- 47 the protective gloves;
- 48-55 the radium therapy (radium treatment; gamma-ray treatment of skin diseases and cancer, of dermal and cancerous diseases):
- 48 the Geiger-Müller counter
- 49 the integrating meter (integrator)
- 50 the Geiger tube
- 51 the radium cupboard, a lead cupboard, a lead safe
- 52 the radium container, a platinum tube
- 53 the forceps
- 54 the radium-packing table with the instruments
- 55 the plastic material with radioactive cobalt





1-52 the nursery,

- 1 the baby's dressing-table:
- 2 the pad
- 3 the wrap
- 4 the rubber sheet (rubber square)
- 5 the flannel square (flannel napkin; *fam.* nappy; *Am.* flannel diaper)
- 6 the muslin square (gauze square, napkin, *Am.* gauze diaper)
- 7 the woollen (*Am.* woolen) blanket (frieze blanket, wrapping blanket), a blanket
- 8 the under-blankets;
- 9 the nurse (children's trained nurse, nanny):
- 10 the nurse's cap;
- 11 the adjustable baby's cot (*Am.* baby's crib)
- 12 the safety strap (safety belt)
- 13 the pillow
- 14 the bib
- 15 the rubber panties
- 16 the baby's socks
- 17 the chamber-pot, a glass, or earthenware, chamber-pot ('chamber', *fam.* pottie)
- 18 the pap plate, a warming dish
- 19 the pusher
- 20 the enema, a rubber syringe
- 21 the bath thermometer
- 22 the soap dish and the piece (cake) of soap (soap)
- 23 the wash-basin (wash-bowl)
- 24 the water jug (*Am.* water pitcher)
- 25 the folding rubber bath (baby's bath, *Am.* baby bathtub, folding tub), a bath
- 26 the baby (suckling, little one, new-born child, child in arms, infant, babe in arms)



- | | |
|---|---|
| 27 the face-flannel (face-cloth, <i>Am.</i> wash-rag, washcloth, facial cloth) | 39 the child's buttocks (<i>fam.</i> bottom) |
| 28 the baby scales | 40 the teething ring |
| 29 the tumbler (tumbling clown) | 41 the rubber animal |
| 30 the mother (or a wet-nurse) feeding (nursing, wet-nursing) the baby (the nursing mother) | 42 the baby's rattle (child's rattle) |
| 31 the 'kicking-sack', a tunic-like garment with shoulder straps, sewn up at the bottom | 43 the tin of ointment (tin of vaseline), a tin |
| 32 the bassinet on wheels (basket crib on wheels): | 44 the binder |
| 33 the feather quilt | 45 the baby's nail-scissors |
| 34 the lace flounce (lace frill) | 46 the bottle (feeding bottle, feeder, baby's bottle, <i>Am.</i> nurser, nursing bottle): |
| 35 the hood | 47 the scale; |
| 36 the rubber tyre (<i>Am.</i> rubber tire); | 48 the teat, a rubber cap for the feeder (<i>Am.</i> nipple) |
| 37 the nurse changing the baby (changing the baby's napkin) | 49 the pot for cotton-wool (container for cotton-wool) |
| 38 the powder tin (dredging tin) with baby powder | 50 the cotton-wool (<i>Am.</i> cotton) |
| | 51 the dummy (comforter) |
| | 52 the water pail |

31 Children's Wear (Children's Clothing)

- 1-60 babies' wear, boys' wear
(boys' clothing), and girls' wear
(girls' clothing),
- 1 the girl's nightdress (night-gown,
nightie, nighty):
- 2 the yoke (night-gown top);
- 3 the hair-slide
- 4 the girl's vest
- 5 the playsuit (sunsuit):
- 6 the bib (bodice);
- 7 the tuft of hair (quiff)
- 8 the handkerchief (pocket hand-
kerchief; *fam.* hanky
- 9 the playsuit:
- 10 the pocket;
- 11 the gym outfit:
- 12 the gym vest (running vest)
- 13 the gym shorts (running
shorts);
- 14 the boy's sleeping-suit
(*Am.* sleeper):
- 15 the fly front (button tab);
- 16 babies' wear (babies' clothes,
layette, infant's outfit):
- 17 the baby's vest
- 18 the baby's bootee
- 19 the baby's rompers
- 20 the baby's jacket (baby's coat)
- 21 the baby's bonnet (baby's
cap);
- 22 the child's dress (child's
frock):
- 23 the sleeve
- 24 the collar;
- 25 the rain-cape:
- 26 the hood;
- 27 the leggings
- 28 the sailor-suit:
- 29 the sailor-blouse (blouse)
- 30 the sailor-collar (collar)
- 31 the sailor-knot (sailor tie);
- 32 the sailor-cap:
- 33 the cap ribbon;
- 34 the pinafore slip with pleated
skirt
- 35 the hair bow (hair ribbon)
- 36 the girl's Dirndl dress (Dirndl
dress)
- 37 the girl's coat, a child's coat
(child's overcoat)
- 38 the girl's hat, a child's hat
- 39 the knee-sock
- 40 the girl's jacket, a sports
jacket
- 41 the girl's slacks
- 42 the girl's wind-jacket
- 43 the beret; *sim.* the Scottish
tam-o'-shanter (*fam.* tammy)
- 44 the girl's ski trousers (skiing
trousers)
- 45 the child's boot
- 46 the boy's wind-jacket
- 47 the cap with ear-flaps
- 48 the girl's pinafore
- 49 the cricket shirt (sports shirt)
- 50 the boy's leather shorts (Leder-
hosen, leathers, Bavarian
leathers):
- 51 the trouser fly
- 52 the braces (*Am.* suspenders);
- 53 the boy's suit
- 54 the shorts
- 55 the bush-shirt
- 56 the sock
- 57 the lad's duffle-coat
- 58 the cricket-cap (English school
cap)
- 59 the German school cap
- 60 the girl's blouse (spotted
blouse);
- 61 the chain with pendant
- 62 the pony-tail hair-style



32 Ladies' Wear (Women's Clothing)

- 1 the tailored costume (tailor-made suit, tailored suit):
- 2 the costume jacket (jacket)
- 3 the patch pocket
- 4 the costume skirt
- 5 the inverted pleat;
- 6 the shirt blouse (tailored blouse, blouse, *Am.* shirtwaist):
- 7 the edging;
- 8 the coat-dress (tailored dress, button-through dress)
- 9 the two-piece:
- 10 the box pleat;
- 11 the pinafore dress
- 12 the pullover (jumper, sweater, *Am. pop.* knittie):
- 13 the polo neck
- 14 the long sleeve;
- 15 the house-dress (house-frock):
- 16 the three-quarter sleeve;
- 17 the pinafore (apron, *fam.* pinny):
- 18 the apron pocket;
- 19 the overall:
- 20 the shawl collar;
- 21 the Dirndl dress:
- 22 the puff sleeve;
- 23 the Dirndl apron, a fancy apron:
- 24 the apron string;
- 25 the evening dress, an evening gown:
- 26 the décolletage (lowcut and V-shaped neckline)
- 27 the sash;
- 28 the cocktail dress, an afternoon dress:
- 29 the bolero (bolero jacket)
- 30 the tiered flounces (volants);
- 31 the summer dress:
- 32 the short sleeve (cap-sleeve)
- 33 the permanent pleating (permanently pleated skirt);
- 34 the parasol
- 35 the dress with jacket to match (dress and jacket ensemble, two-piece):
- 36 the coat, a woollen jacket (*Am.* woolen coat)
- 37 the woollen dress (*Am.* woolen dress)
- 38 the fold;
- 39 the twin-set
- 40 the fancy pullover with round neck (with round neckline)
- 41 the edge-to-edge cardigan
- 42 the poplin (*Am.* broadcloth) coat a rain-coat or dust-coat (*Am.* duster):
- 43 the hood;
- 44 the fur jacket with accessories:
- 45 the fur jacket
- 46 the fur bonnet (fur cap, fur hat)
- 47 the muff;
- 48 the fur scarf
- 49 the fur coat (fur):
- 50 the wide sleeve
- 51 the button;
- 52 the winter coat (overcoat), a fitted coat:
- 53 the fur trimming (fur collar, fur cuffs, and pocket trimming);
- 54 the summer coat, a loose coat:
- 55 the stitching;
- 56 the holiday outfit:
- 57 the jeans;
- 58 the casual suit, a tweed suit:
- 59 the inset pocket



33 Underclothing and Indoor Clothing

Engl. pyjama = *Am.* pajama

1-34 ladies' (women's) underclothing

(underclothes, underwear, undergarments, *fam.* undies), linen, and indoor wear,

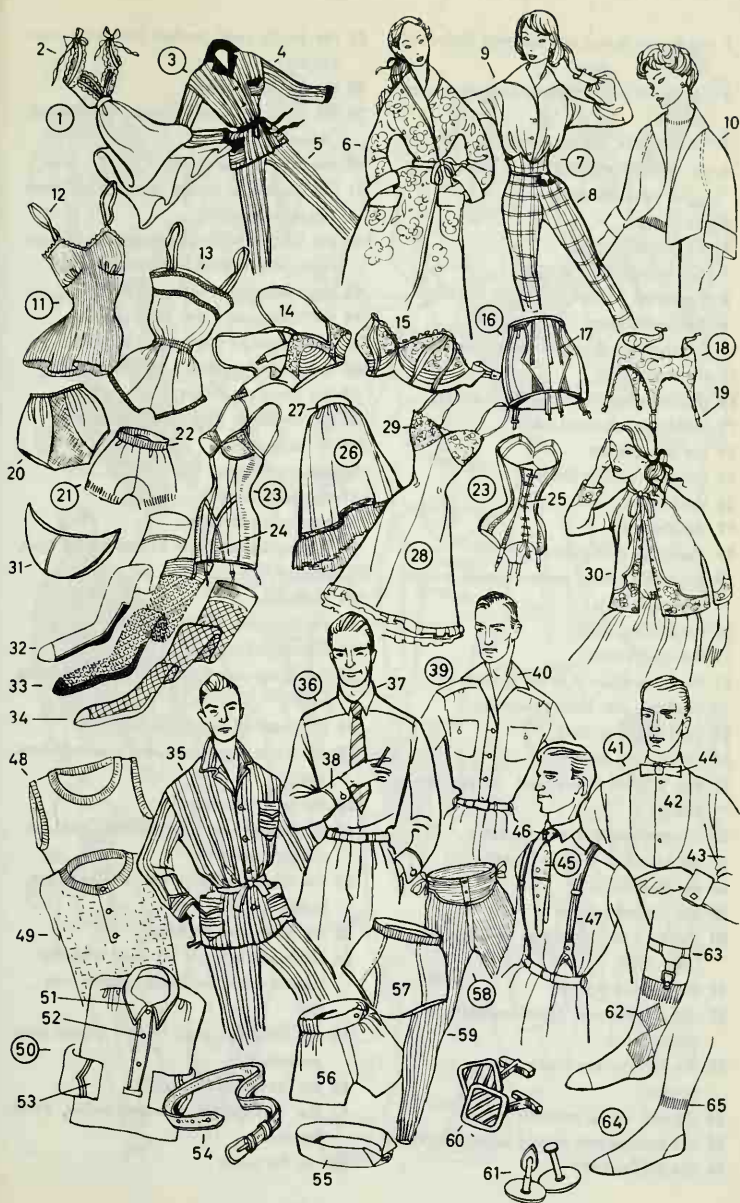
- 1 the sleeveless nightdress (night-gown, *fam.* nightie, *Am.* nightrobe):
- 2 the night-gown lace (night-gown frill), a trimming (yoke);
- 3 the lady's pyjamas:
- 4 the pyjama jacket
- 5 the pyjama trousers;
- 6 the high-necked dressing-gown (housecoat, *Am.* bathrobe, *coll.* slumber robe)
- 7 the casual clothes:
- 8 the tapered slacks or trousers
- 9 the blouse (*Am.* shirtwaist)
- 10 the house jacket;
- 11 the lady's chemise (lady's vest):
- 12 the shoulder-strap;
- 13 the cami-knickers (*Am.* union suit)
- 14 the brassière (*fam.* bra)
- 15 the strapless brassière
- 16 the girdle (suspender girdle):
- 17 the busk (bone);
- 18 the suspender belt (*Am.* garter belt):
- 19 the suspender (stocking-suspender, *Am.* garter);
- 20 the panties (briefs)
- 21 the knickers (bloomers):
- 22 the elastic top (elastic);
- 23 the foundation garment:
- 24 the elastic (elastic inset)
- 25 the lacing;
- 26 the waist petticoat (half petticoat):
- 27 the waistband;
- 28 the slip (petticoat):
- 29 the lace top;
- 30 the bed-jacket
- 31 the dress-shield (dress-preserver)
- 32 the rayon stocking (stocking of artificial silk) or silk stocking, nylon stocking, perlon stocking, a lady's stocking

33 the net stocking

34 the figured woollen (*Am.* woolen; worsted) stocking (Jacquard stocking);

35-65 gentlemen's (men's) underclothing (underclothes, underwear, undergarments) and linen:

- 35 men's pyjamas (pyjamas)
- 36 the shirt (man's shirt):
- 37 the detachable collar, a soft collar
- 38 the cuff;
- 39 the sports shirt:
- 40 the attached collar;
- 41 the dress shirt (starched shirt, stiff shirt, *coll.* boiled shirt):
- 42 the shirt front (*Am.* shirt bosom)
- 43 the shirt sleeve;
- 44 the bow-tie
- 45 the tie (neck-tie; *sim.* *Am.* string tie):
- 46 the knot of the tie (knot);
- 47 the braces (*Am.* suspenders)
- 48 the vest (*Am.* undershirt)
- 49 the cellular vest
- 50 the man's nightshirt:
- 51 the shirt collar
- 52 the shirt button
- 53 the cuff;
- 54 the belt
- 55 the stiff (starched) wing collar
- 56 the pants (short pants, *Am.* underpants)
- 57 men's pants, men's short pants (briefs)
- 58 the long pants (drawers):
- 59 the leg of the pants;
- 60 the cuff-link
- 61 the one-piece and the lever-top collar stud (*Am.* collar-button)
- 62 the sock
- 63 the suspender (sock-suspender, *Am.* garter)
- 64 the ankle-sock:
- 65 the elastic sock top (elastic top)



34 Men's Clothing (Gentlemen's Wear)

- 1 the sports jacket and trousers (informal wear):
- 2 the sports jacket (sports coat, *Am.* sack coat)
- 3 the trousers (slacks, flannels);
- 4 the double-breasted suit, a lounge suit (*Am.* business suit):
- 5 the jacket
- 6 the jacket button
- 7 the buttonhole
- 8 the breast pocket
- 9 the pocket flap;
- 10 the trousers (long trousers; *fam.* bags):
- 11 the trouser-leg
- 12 the crease of the trousers (crease);
- 13 the single-breasted suit:
- 14 the side pocket
- 15 the jacket collar (collar)
- 16 the lapel
- 17 the sleeve
- 18 the jacket lining (lining)
- 19 the inside breast pocket (inside pocket, inner pocket);
- 20 the golfing outfit:
- 21 the sports coat
- 22 the plus-fours (*form.* knickerbockers; *sim.* knee breeches);
- 23 the lumber jacket:
- 24 the zip (zip-fastener)
- 25 the knitted waistband (elastic waistband);
- 26 the national-costume jacket
- 27 the breeches (riding breeches):
- 28 the waistband
- 29 the trouser button
- 30 the fly (slit, opening) of the trousers (*fam.* flies)
- 31 the trouser pocket
- 32 the double seat (reinforcement for riding);
- 33 the hip pocket (back trouser pocket)
- 34 the seat of the trousers
- 35 the transparent plastic rain-cape (cape)
- 36 the duffle-coat:
- 37 the patch coat pocket (sewn-on coat pocket)
- 38 the toggle button;
- 39 the rain-coat (mackintosh, waterproof, *Am.* slicker)
- 40 the man's trench coat
- 41 the raglan, a sports coat, storm coat (waterproof coat)
- 42 the fancy waistcoat (ornamental waistcoat), a waistcoat (*Am.* vest):
- 43 the waistcoat (*Am.* vest) lining
- 44 the waistcoat (*Am.* vest) pocket
- 45 the waistcoat (*Am.* vest) button;
- 46 the dressing-gown (*Am.* bathrobe)
- 47 the smoking jacket
- 48 the overcoat (top-coat, greatcoat):
- 49 the coat collar
- 50 the coat button
- 51 the coat pocket;
- 52 the light overcoat
- 53 the frock-coat (*Am.* Prince Albert coat, Prince Albert):
- 54 the lapel;
- 55 the morning coat (cut-away):
- 56 the striped trousers;
- 57 the dress suit (*fam.* tails), an evening suit:
- 58 the coat-tail (swallow-tail)
- 59 the white waistcoat (*Am.* evening-dress vest)
- 60 the white bow-tie;
- 61 the dinner suit (*Am.* tuxedo, tux), an evening suit:
- 62 the dinner jacket (*Am.* tuxedo jacket, tuxedo)
- 63 the fancy handkerchief
- 64 the black bow-tie for wear with the dinner suit (*Am.* black tuxedo bow tie);
- 65 the long fur coat (man's winter coat, greatcoat):
- 66 the fur lining (furring);
- 67 the wind-jacket (hooded jacket, wind-breaker):
- 68 the fur collar



35 Hair and Beards

1-26 beards and men's hair

fashions:

- 1 long, loose hair
- 2 the full-bottomed wig (full-dress wig) with flowing ringlets, a wig;
shorter and smoother: bob wig,
toupee (toupet):
- 3 the curls;
- 4 the bag wig
- 5 the pigtail wig:
- 6 the pigtail
- 7 the tie (ribbon) of the pigtail;
- 8 the Henri Quatre beard, a combined pointed and Vandyke beard
- 9 the pointed beard (goatee), a goatee beard
- 10 the hair à la brosse (bristly hair)
(*Am.* crew haircut)
- 11 the whiskers (side-whiskers)
- 12 the Vandyke beard and the waxed moustache
- 13 the side parting
- 14 the full beard
- 15 the trimmed beard (square beard)
- 16 the imperial
- 17 the curly hair
- 18 the long moustache (handlebars)
- 19 the centre parting (*Am.* center parting)

20 the partly bald head:

21 the bald part;

22 the bald head (bald pate)

23 the stubbly beard (bristly beard, bristles)

24 the side-whiskers (*fam.* sideboards, *Am.* sideburns)

25 the clean shave (the clean-shaven face, smooth-shaven face)

26 the short moustache (clipped moustache, *fam.* toothbrush moustache);

27-38 women's hair styles

(coiffures, ladies' and girls' hair styles):

27 long, loose hair (shoulder-length hair)

28 swept-back hair:

29 the bun (knot, chignon);

30 the plaits (pigtails, braids)

31 the chaplet hair-style:

32 the chaplet of plaited hair;

33 curly hair

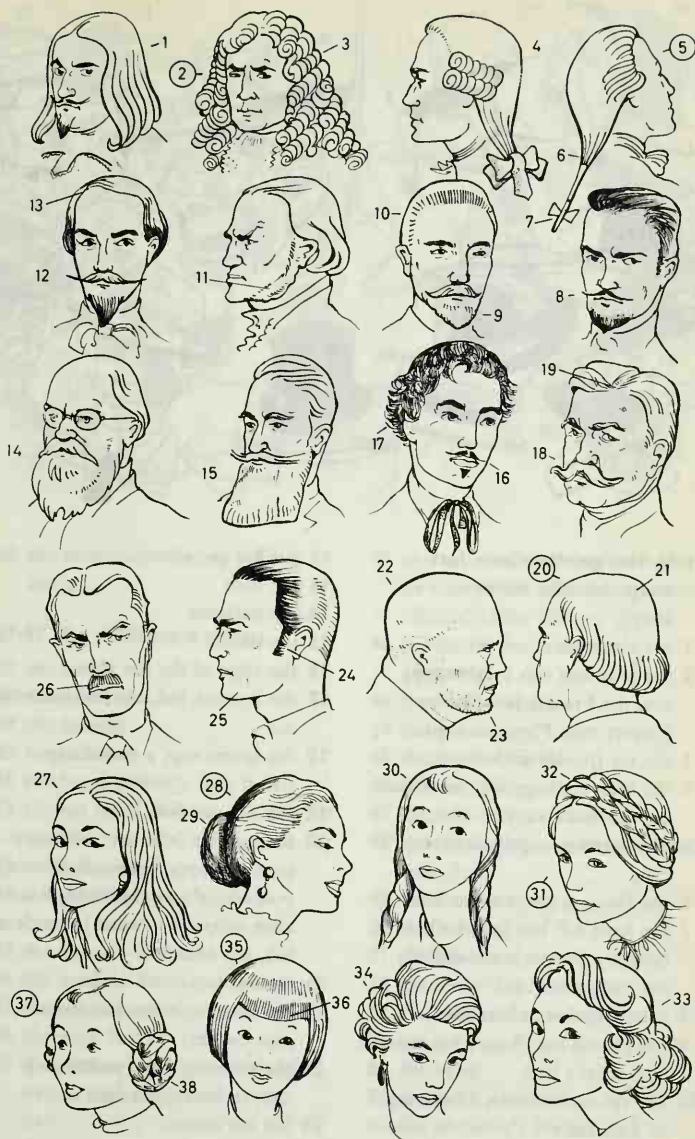
34 bobbed hair (shingled hair)

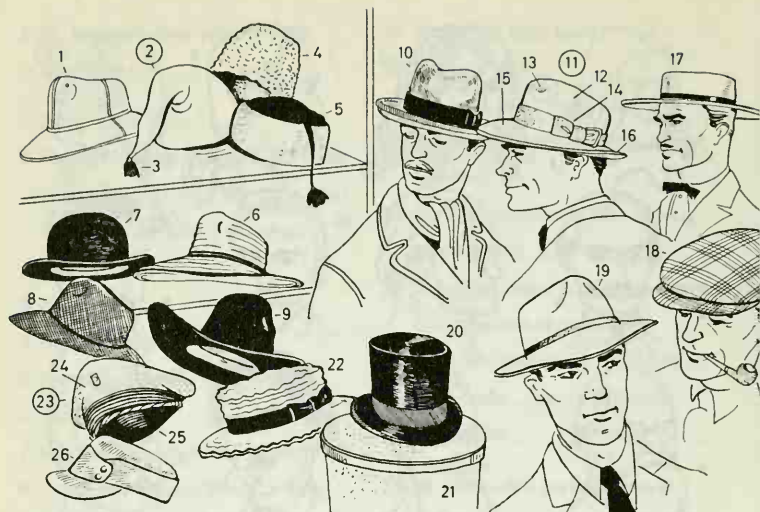
35 the page-boy style:

36 the fringe; *sim.* bang;

37 the earphone style (earphones):

38 the earphone

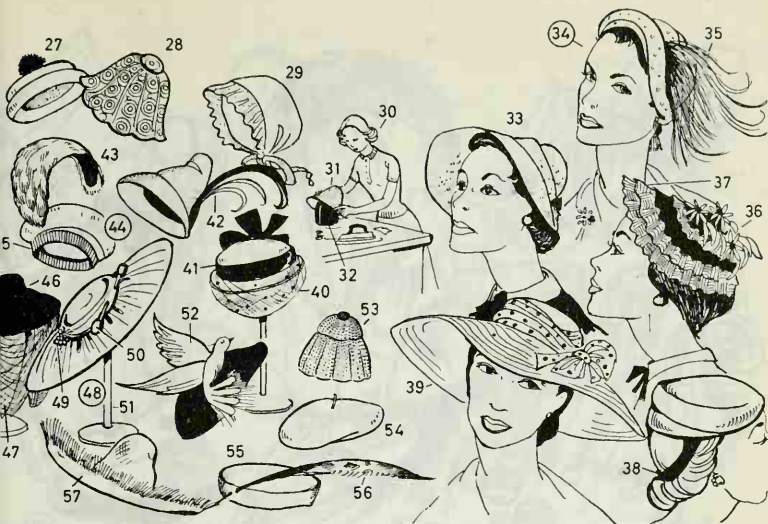




1-26 the gentlemen's hat

shop (hatter's, hatter's shop):

- 1 the cloth hat
- 2 the jelly-bag cap (night cap);
sim. the French Jacobin cap (liberty cap, Phrygian cap):
- 3 the tip (point) with tassel;
- 4 the high fur cap; *sim.* astrakhan cap (Cossack cap)
- 5 the smoking-cap (grandfather's cap)
- 6 the Panama hat, a straw hat
- 7 the hard felt hat (bowler hat, bowler, pot-hat, *Am.* derby);
sim. billy-cock
- 8 the ramie hat, a bast hat
- 9 the slouch hat (floppy hat, squash hat, artist's hat)
- 10 the velvet (velours, Homburg) of hare fur
- 11 the trilby, a man's hat:
- 12 the hat crown
- 13 the dent
- 14 the hatband
- 15 the brim
- 16 the edge of the hat brim;
- 17 the Spanish hat, a broad-brimmed hat
- 18 the sports cap, a tweed cap (cloth cap)
- 19 the soft felt hat
- 20 the top hat (silk hat; *joc.* stove-pipe hat, topper, *Am. coll.* chimney-pot, tile, *sl.* plug hat) of taffeta;
when collapsible : crush hat (opera hat, top hat)
- 21 the hat-box
- 22 the boating straw hat (boater; *fam.* basher)
- 23 the yachting cap (yachtman's cap, naval cap), a cap:
- 24 the flat crown
- 25 the cap peak;



26 the mountaineer's cap (skiing cap);

27-57 the milliner's shop:

27 the toque

28 the small soft hat

29 the bonnet

30 the milliner

31 the hood (forme)

32 the hat block (hat mould, *Am.* hat mold)

33 the felt cloche

34 the evening hat, a brocade hat:

35 the heron's feather;

36 the artificial flower

37 the straw braiding

38 the nape band

39 the picture hat (Gainsborough hat), a wide-brimmed straw hat

40 the half-veil (face veil)

41 the velvet ribbon (velvet band) or silk ribbon (silk band), moiré ribbon (tabby ribbon)

42 the cock's feather (cock's plume)

43 the feather shape

44 the suède cap:

45 the knitted band;

46 the mourning hat

47 the half-veil

48 the lady's hat, a covered silk, or tulle, hat:

49 the hat trimming

50 the hat-pin;

51 the hat-stand

52 the wing (bird's wing)

53 the knitted hat, a versatile hat

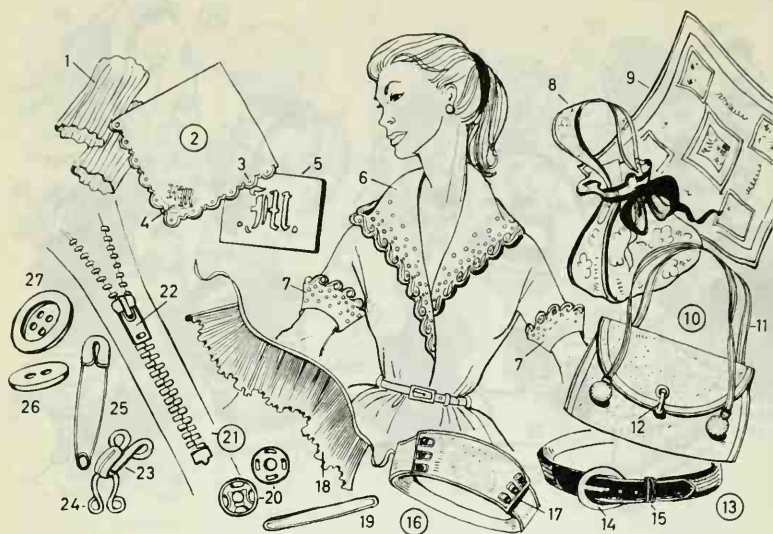
54 the beret

55 the baker-boy beret

56 the pheasant's feather

57 the beach hat, a chip-hat

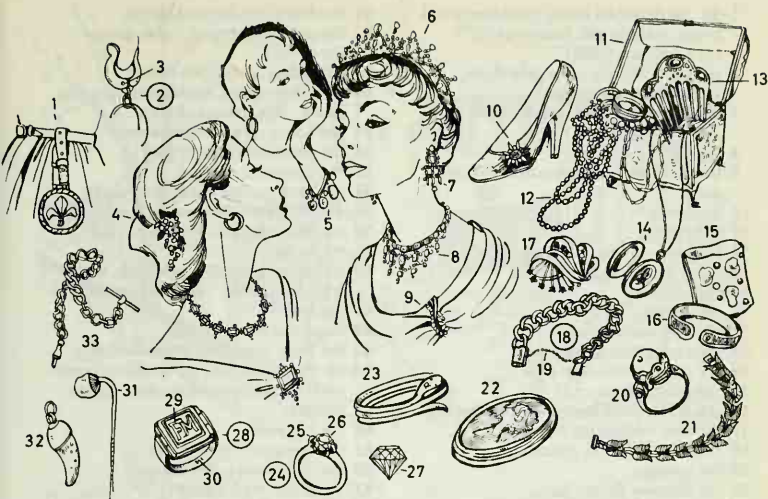
37 Clothing Requisites



1-27 clothing requisites (clothing accessories and haberdashery, *Am.* notions):

- 1 the wristlet
- 2 the handkerchief (pocket handkerchief, *fam.* hanky):
- 3 the fancy edge, a fancy lace
- 4 the linen initials (linen monogram), a mark of ownership;
- 5 the linen stencil (stencil for marking the linen)
- 6 the fancy collar, a lace collar
- 7 the fancy cuff, a lace cuff, a gauntlet cuff
- 8 the draw-string bag
- 9 the square (scarf, neckerchief)
- 10 the lady's hand-bag (lady's bag, bag):

- 11 the handle
- 12 the clasp;
- 13 the plaited (braided) belt:
- 14 the belt buckle
- 15 the belt loop;
- 16 the leather belt:
- 17 the button-fastening;
- 18 the ruche (ruffle, *Am.* ruching)
- 19 the collar-stiffener, a plastic stiffener; *form.* baleen bone
- 20 the snap-fastener (snap)
- 21 the zip fastener (zip):
- 22 the sliding cam (slider, slide);
- 23 the hook
- 24 the eye
- 25 the safety-pin
- 26 the linnen button
- 27 the trouser button, a button



1-33 jewellery (jewelry, jewels, trinkets, bijouterie):

1 the decorative paillette, a belt decoration

2 the earring:

3 the clip (screw);

4 the hair clasp, a hair ornament

5 the coin bracelet

6 the jewelled tiara (diadem, coronet)

7 the ear pendant (earring)

8 the diamond necklace or necklet

9 the clip (clasp)

10 the shoe clasp, a shoe ornament

11 the jewel-case (jewel-casket)

12 the string of pearls (set of pearls, pearl necklace)

13 the Spanish back-comb

14 the locket pendant

15 the slave bangle, a bangle

16 the bangle, filigree work

17 the brooch (scarf-pin)

18 the chain bracelet:

19 the safety chain;

20 the ring, a finger ring (ring)

21 the link bracelet

22 the cameo brooch

23 the armlet or bracelet

24 the diamond ring:

25 the claw setting

26 the cut diamond (brilliant), a facet(t)ed (cut) precious stone (stone);

27 the facets

28 the signet ring:

29 the engraving

30 the hall mark (plate mark, carat mark);

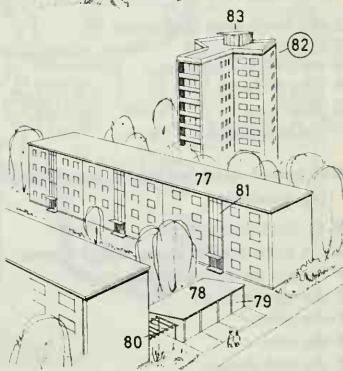
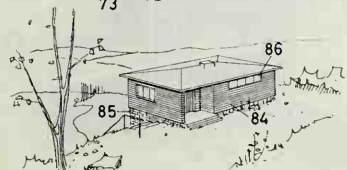
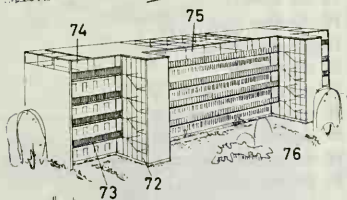
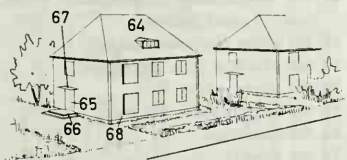
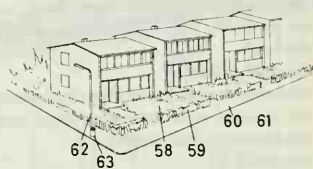
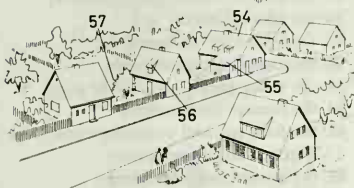
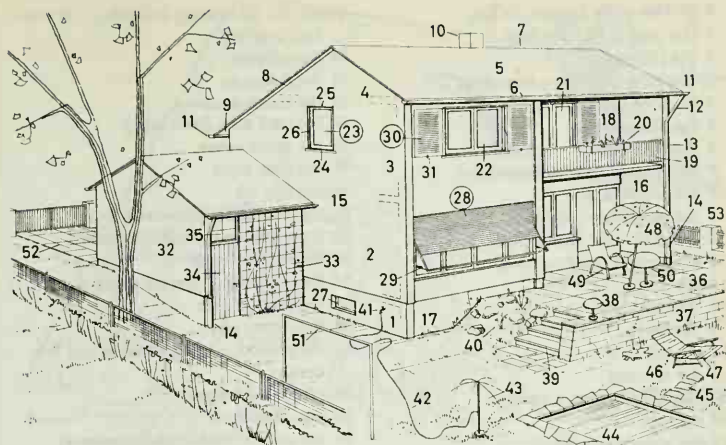
31 the tie-pin (scarf pin, Am. stick pin)

32 the watch charm (trinket, fancy pendant)

33 the watch chain

39 The Dwelling House and Types of Houses

- 1-53 the detached house (self-contained house, *Am.* home, homestead):
- 1 the basement (cellar)
- 2 the ground floor (*Am.* first floor, street floor, main floor)
- 3 the first floor (first storey, upper story, *Am.* second floor)
- 4 the loft
- 5 the roof, an unsymmetrical pitched roof
- 6 the eaves
- 7 the ridge
- 8 the barge course and barge board
- 9 the cornice, a rafter cornice
- 10 the chimney
- 11 the gutter
- 12 the rain-water head
- 13 the rain-water downpipe
- 14 the gully, a cast-iron pipe
- 15 the gable (gable end)
- 16 the wind-breaking wall (wind break)
- 17 the base wall of the house
- 18 the balcony (*Am.* piazza)
- 19 the parapet
- 20 the balcony flower box
- 21 the French window
- 22 the double-light window
- 23 the single window:
- 24 the window ledge with window sill
- 25 the window lintel
- 26 the window jamb;
- 27 the cellar window (basement window)
- 28 the sliding shutter (blind, *Am.* shade):
- 29 the sliding shutter guide (*Am.* shade guide);
- 30 the window shutter (folding shutter, *Am.* shade):
- 31 the shutter (*Am.* shade) catch;
- 32 the garage with tool room
- 33 the espalier
- 34 the wooden door
- 35 the fanlight with mullion and transom
- 36 the terrace
- 37 the garden wall with coping
- 38 the garden lamp
- 39 the steps into the garden
- 40 the rockery (rock garden)
- 41 the hose tap (*Am.* hose faucet)
- 42 the garden hose
- 43 the lawn-sprinkler
- 44 the paddling pool
- 45 the stepping stones
- 46 the sunbathing lawn
- 47 the deck chair
- 48 the garden umbrella
- 49 the garden chair
- 50 the garden table
- 51 the frame for carpet-beating
- 52 the garage approach (*Am.* garage driveway)
- 53 the paling, a wooden fence;
- 54-57 the workers' settlement (housing estate, *Am.* cabin colony),
- 54 the house on a housing estate;
- 55 the pentroof (lean-to roof)
- 56 the dormer;
- 57 the back garden (*Am.* dooryard);
- 58-63 the terrace houses, stepped:
- 58 the front garden (*Am.* frontyard)
- 59 the hedge
- 60 the pavement (*Am.* sidewalk, walkway, banquette, *Austral.* footpath)
- 61 the street
- 62 the street lamp
- 63 the litter bin (*Am.* waste-basket);
- 64-68 the house for two families (house with two maisonettes, *Am.* duplex house):
- 64 the hip roof
- 65 the entrance (front door)
- 66 the doorsteps (*Am.* stoop)
- 67 the porch roof (canopy)
- 68 the sun window;
- 69-71 the four-family house, a semi-detached house:
- 69 the balcony
- 70 the sun parlour (sun trap, *Am.* sun parlor)
- 71 the awning (sun blind, sunshade);
- 72-76 the block of balcony flats (*Am.* of balcony apartments):
- 72 the staircase (*Am.* stairway)
- 73 the covered way
- 74 the studio flat (penthouse, *Am.* studio apartment)
- 75 the flat roof, a sun roof
- 76 the grass plot (*Am.* grass lot);
- 77-81 the multi-storey (multi-story) block of flats (*Am.* block of apartments):
- 77 the flat roof
- 78 the pentroof
- 79 the garage
- 80 the pergola (*Am.* arbor)
- 81 the staircase window;
- 82 the multi-storey building:
- 83 the lift (*Am.* elevator) room and staircase exit;
- 84-86 the weekend house, a wooden house (timber house, *Am.* frame house, cottage, cabin):
- 84 the horizontal boarding
- 85 the stone base wall (plinth)
- 86 the mullioned window (four-light window)



40 Roof and Furnace Room

1-29 the attic (garret, loft):

- 1 the roof finish (roofing)
- 2 the skylight
- 3 the gangway (gang boarding)
- 4 the roof ladder
- 5 the chimney
- 6 the roof hook
- 7 the dormer (dormer window)
- 8 the snow guard
- 9 the gutter (guttering)
- 10 the drain pipe (down pipe)
- 11 the cornice (roof cornice)
- 12 the loft
- 13 the trap door
- 14 the hatch
- 15 the ladder:
- 16 the side rail
- 17 the rung (spoke, round);
- 18 the attic:
- 19 the wooden partition
- 20 the box room (lumber room) door
- 21 the padlock
- 22 the hook
- 23 the clothes line;
- 24 the expansion tank of the heating system
- 25 the wooden stairs (wooden steps) and the banisters (balustrade):
- 26 the string
- 27 the step
- 28 the hand-rail
- 29 the banister (baluster);
- 30 the lightning conductor (lightning rod)

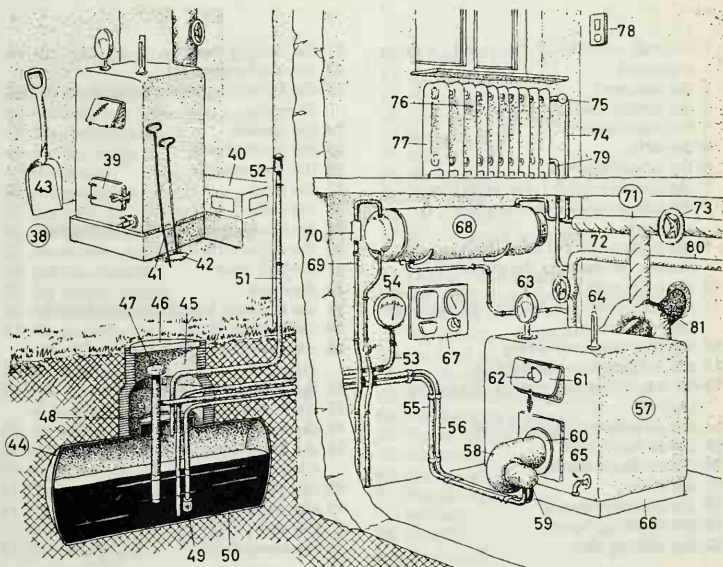
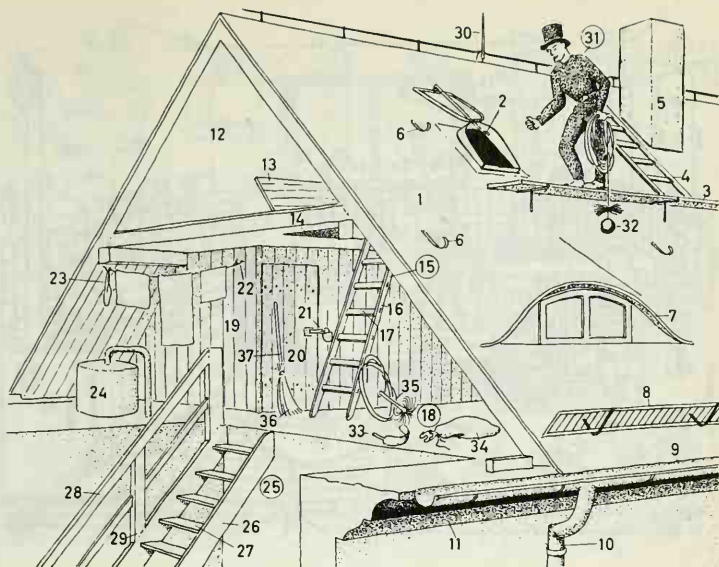
31 the sweep (chimney sweep, *Am.* chimney cleaner):

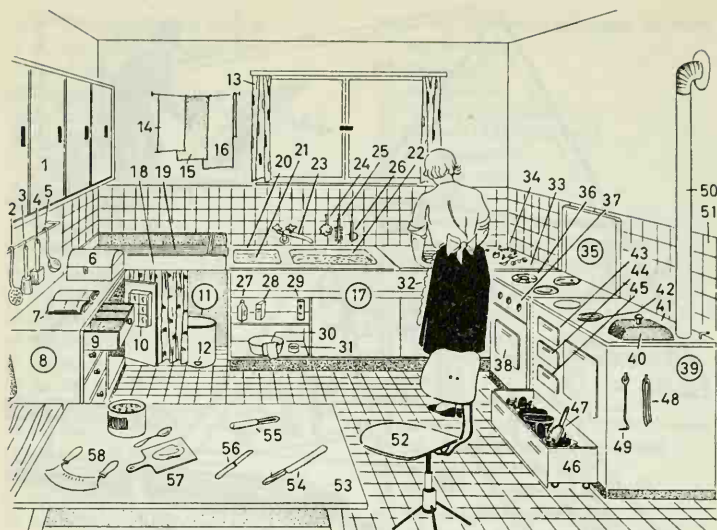
- 32 the brush with the weight
- 33 the shoulder iron
- 34 the sack for the soot
- 35 the flue brush
- 36 the broom
- 37 the broomstick;

38-81 hot-water heating, a central heating installation,

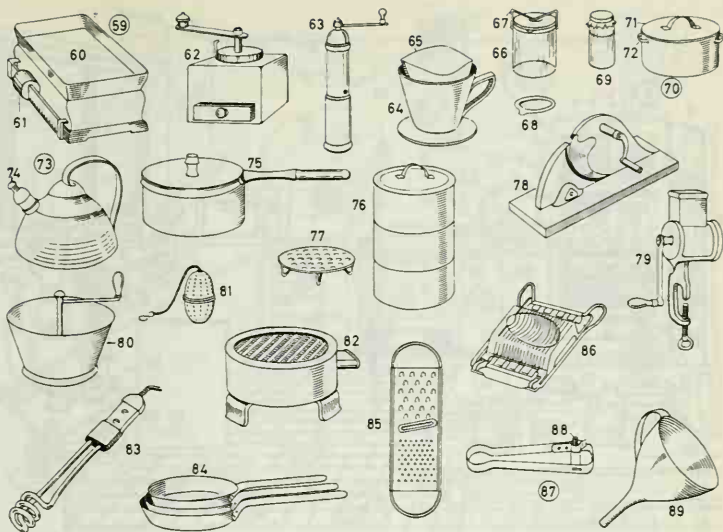
- 38-43 the furnace room,
- 38 the coke-heating (coke-firing) system:
- 39 the ash pit door (ash box door)
- 40 the uptake (flue)
- 41 the poker
- 42 the rake
- 43 the coal shovel;

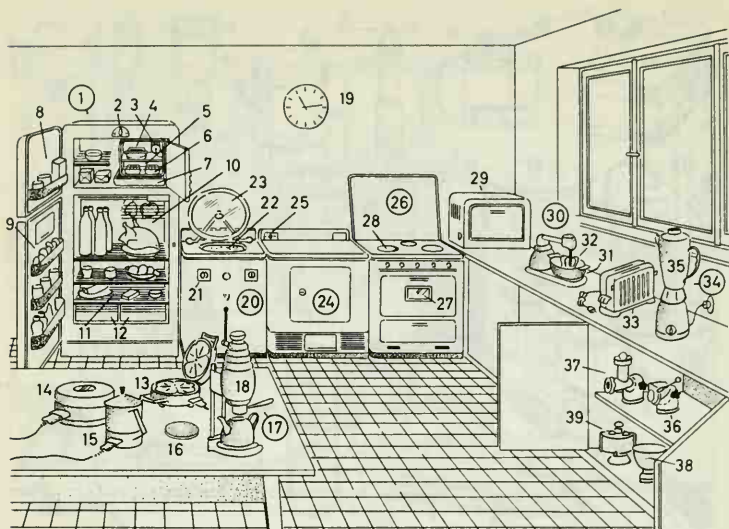
- 44-60 the oil-heating (oil-firing, oil-burning) system,
- 44 the oil tank:
- 45 the manhole
- 46 the manhole cover
- 47 the tank filler (tank inlet)
- 48 the dome cover
- 49 the foot valve
- 50 the fuel oil
- 51 the vent pipe (breather tube)
- 52 the vent cap (ventilation jacket)
- 53 the oil level pipe
- 54 the oil gauge (*Am.* oil gage)
- 55 the suction pipe
- 56 the return pipe;
- 57 the central heating furnace (oil furnace),
- 58-60 the oil burner:
- 58 the air injector
- 59 the electric motor (electromotor)
- 60 the encased burner jet;
- 61 the feed door (firebox door)
- 62 the glass observation panel
- 63 the water gauge (*Am.* water gage)
- 64 the furnace thermometer
- 65 the feed tap and emptying cock (*Am.* feed and emptying faucet)
- 66 the furnace bed or bedding;
- 67 the switchboard (switchboard panel, control panel, panel)
- 68 the boiler (hot-water tank):
- 69 the overflow pipe (vent pipe)
- 70 the safety valve;
- 71 the main distributing pipe:
- 72 the insulation
- 73 the valve;
- 74 the flow pipe
- 75 the regulating valve
- 76 the radiator
- 77 the radiator rib
- 78 the room thermostat
- 79 the secondary return
- 80 the primary return
- 81 the flue





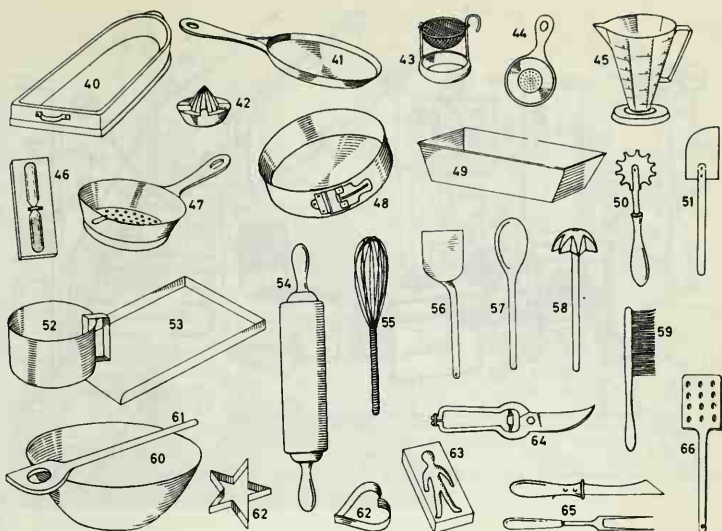
- 1 the wall cupboard (*Am.* closet), a china cupboard
- 2 the skimmer
- 3 the potato-masher
- 4 the meat-beater
- 5 the ladle
- 6 the bread-bin
- 7 the cookery book (*Am.* cook-book)
- 8 the kitchen cupboard (kitchen cabinet):
- 9 the cutlery drawer (*Am.* flatware drawer, silverware drawer)
- 10 the spice rack;
- 11 the refuse-bin (waste-bin, *Am.* garbage can, waste-can):
- 12 the foot (step-on) lever;
- 13 the kitchen window curtain
- 14-16 tea-cloths (tea-towels, drying-up cloths):
- 14 the glass-towel (glass-cloth)
- 15 the cutlery cloth
- 16 the crockery cloth;
- 17 the sink:
- 18 the crockery board
- 19 the draining-board
- 20 the rinsing sink
- 21 the rinsing water
- 22 the washing-up sink
- 23 the swivelling water tap (*Am.* swiveling faucet);
- 24 the scourer
- 25 the bottle-brush
- 26 the dish-washer
- 27 the sand
- 28 the soda
- 29 the washing-up powder (detergent)
- 30 the dish-cloth
- 31 the soft soap
- 32 the cook
- 33 the working board, a corner board
- 34 the kitchen waste
- 35 the gas-cooker (gas-stove, *Am.* gas-range):
- 36 the gas-burner (gas-ring)
- 37 the gas-tap (gas-cock)
- 38 the oven;
- 39 the kitchen range (cooking range, *Am.* cookstove):
- 40 the water-heater
- 41 the stove-plate (stove-top)
- 42 the stove-rings
- 43 the stove-door





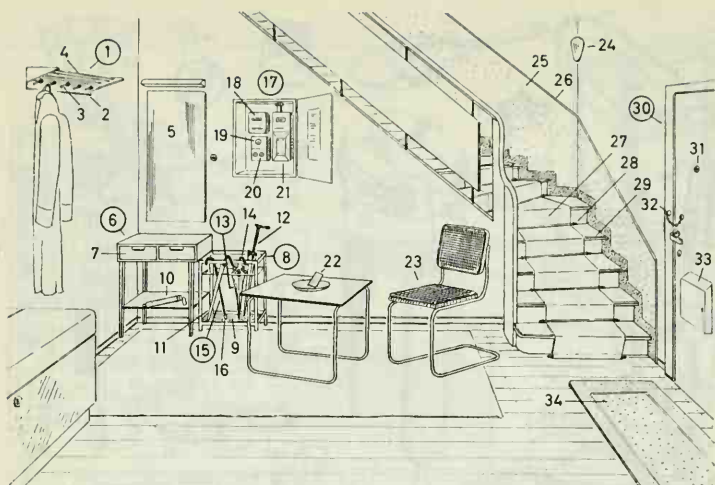
1-66 kitchen machines and kitchen implements (kitchen utensils, kitchen appliances, kitchen gadgets),

- 1 the refrigerator (compressor-type refrigerator):
- 2 the temperature control switch
- 3 the evaporator, a cooling box (froster)
- 4 the deep-freezing compartment
- 5 the freezing compartment (freezer)
- 6 the ice-tray
- 7 the drip-tray (drip-pan)
- 8 the door shelf
- 9 the egg rack
- 10 the bottle compartment
- 11 the rack
- 12 the vegetable compartment;
- 13 the electric waffle-iron
- 14 the boiling-plate (hot-plate)
- 15 the electric saucepan
- 16 the asbestos mat
- 17 the espresso machine, a mocha machine (mocha urn, mocha percolator):
- 18 the filter;
- 19 the kitchen clock
- 20 the washing-machine:
- 21 the preselector
- 22 the washing drum
- 23 the safety glass lid;
- 24 the automatic dryer:
- 25 the safety switch;
- 26 the electric cooker (electric stove):
- 27 the observation panel
- 28 the boiling-plate (hot-plate);
- 29 the electric grill (electric roaster)
- 30 the stirring and kneading machine (mixer):
- 31 the mixing bowl
- 32 the whisk;
- 33 the toaster
- 34 the kettle
- 35 the electric kettle
- 36 the electric kettle
- 37 the electric kettle
- 38 the electric kettle
- 39 the electric kettle



- 33 the toaster
 34 the mixer (mixing machine):
 35 the top;
 36 the vegetable-chopper (vegetable-cutter)
 37 the electric meat-mincer (mincing machine)
 38 the electric cream-maker
 39 the juice-extractor
 40 the baking-dish (baking-tin)
 41 the frying-pan
 42 the lemon-squeezer
 43 the tea-strainer
 44 the coffee-strainer (strainer)
 45 the measuring jug (*Am.* pitcher)
 46 the egg-timer
 47 the colander (cullender)
 48 and 49 cake-tins (cake-moulds, *Am.* cake molds):
 48 the round cake tin with spring clip
 49 the cake-tin;
 50 the fluted pastry wheel
 51 the dough-scraper (baker's scraper)
 52 the flour-sifter
 53 the baking-sheet
 54 the rolling-pin
 55 the whisk (egg-whisk)
 56 the slice
 57 the wooden spoon
 58 the quirl
 59 the cake-brush
 60 the mixing bowl
 61 the perforated spoon, a stirring spoon
 62 the pastry-cutter
 63 the wooden form or mould (*Am.* mold)
 64 the poultry shears
 65 the pair of carvers (carving knife and fork)
 66 the fish-slice

43 The Hall



1-34 the hall (entrance hall, vestibule, hallway, *Am.* entry),

1 the clothes-rack (coat rack):

2 the rack

3 the peg (coat hook)

4 the hat rack;

5 the hall mirror, a long mirror

6 the hall table:

7 the glove drawer;

8 the hall stand for umbrellas and walking sticks:

9 the drip-tray;

10 14 umbrellas:

10 the collapsible (folding, telescopic) umbrella; *sim.* motorcar umbrella

11 the walking-stick umbrella

12 the lady's umbrella, an umbrella

13 the gentleman's umbrella:

14 the umbrella handle (crook handle);

15 the walking-stick (stick, *Am.* cane):

16 the ferrule (ferrel);

17 the meter cupboard:

18 the electricity meter

19 the main switch

20 the fuse

21 the gas meter;

22 the visiting cards (*Am.* calling cards)

23 the tubular-steel chair with cane seat and back, a unit of tubular-steel furniture

24 the stair lamp, a corner bulkhead fitting

25 the wainscoting (wainscoting)

26 the edging (border; *rare* : reglet)

27 the stair carpet (stair runner)

28 the stair rod

29 the rubber nosing, a strip of rubber

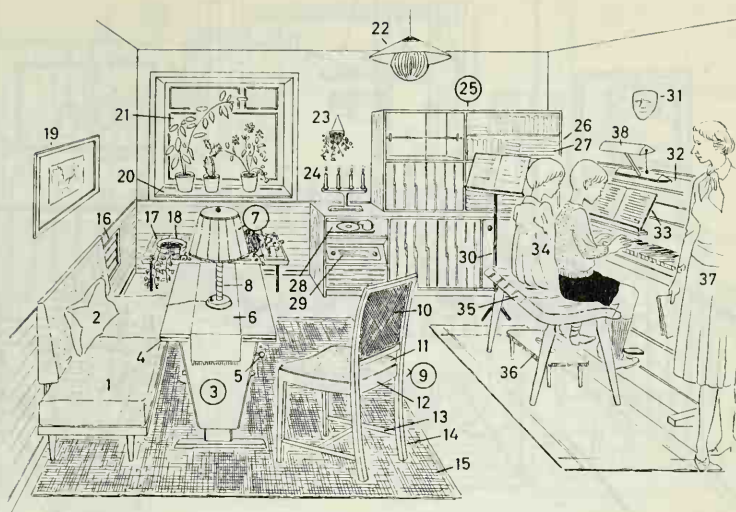
30 the front door:

31 the peep hole (spy hole)

32 the safety door chain

33 the letter box (*Am.* mailbox);

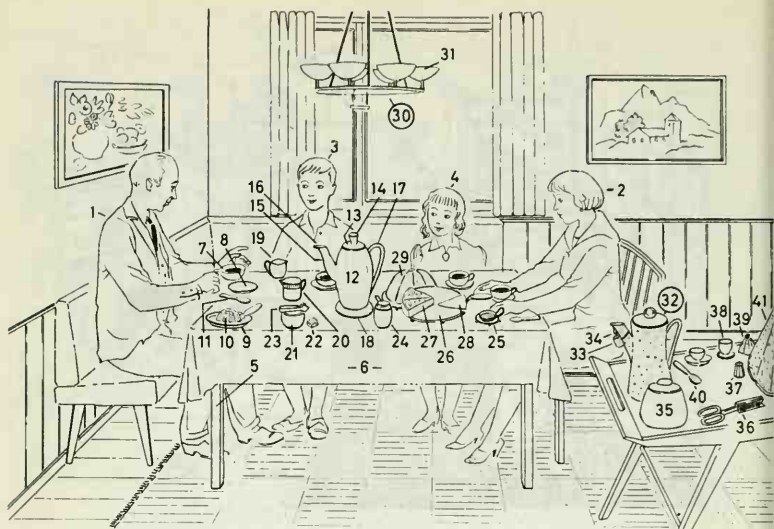
34 the door mat



Engl. sitting room = Am. parlor

- 1 the upholstered settee
- 2 the (sofa) cushion
- 3 the all-purpose (general-purpose) table:
- 4 the pull-out leaf
- 5 the height-adjustment handle;
- 6 the table runner
- 7 the table lamp:
- 8 the lamp stand;
- 9 the chair:
- 10 the wickerwork back
- 11 the seat (upholstered seat)
- 12 the frame
- 13 the cross bar
- 14 the chair leg;
- 15 the sisal mat
- 16 the outlet terminal of the flat's heating system
- 17 the flower table
- 18 the flower bowl (plant bowl)
- 19 the aquarelle (water colour, Am. watercolor)
- 20 the window ledge (window sill)

- 21 the flower window
- 22 the pendant, a cord-grip pendant
- 23 the wall vase (vase); sim. a wall or hanging plant holder
- 24 the candelabra, a type of candlestick
- 25 the multi-purpose cupboard, a piece of unit furniture:
- 26 the music shelf;
- 27 the book of music
- 28 and 29 the radiogram:
- 28 the record-player
- 29 the wireless (wireless set, radio);
- 30 the music stand
- 31 the death mask (mask)
- 32-37 the piano lesson:
- 32 the upright piano
- 33 the book of music
- 34 the pupils, playing a piano duet
- 35 the music stool
- 36 the foot stool
- 37 the piano teacher;
- 38 the picture light (music light) a strip light



1-29 the table set for coffee,

1-4 the family,

1 and 2 the parents:

1 the father (daddy, dad)

2 the mother (mummy, mum);

3 and 4 the children:

3 the boy (lad, *Scot.* laddie)

4 the girl (lass, *Scot.* lassie);

5 the dining table

6 the table cloth

7-21 the coffee set:

7 the cup (coffee cup)

8 the saucer

9 the side-plate (tea plate)

10 the tartlet (small tart)

11 the coffee spoon; *sim.* tea spoon

12-17 the coffee pot:

12 the belly

13 the lid

14 the knob

15 the spout

16 the tip of the spout

17 the handle;

18 the stand

19 the cream jug

20 the milk-server

21 the sugar basin (sugar bowl);

22 the lump of sugar

23 the sugar tongs

24 the sugar-server

25 the coffee-strainer

26 the cake plate

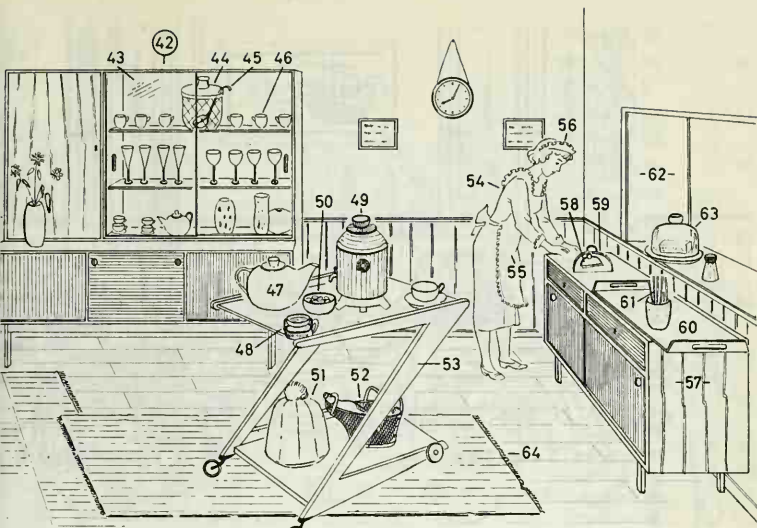
27 the fruit tart (fruit flan)

28 the cake slice (cake shovel)

29 the ring cake (tall ring cake);

30 the multi-light pendant fitting, a hanging lamp fitting;

31 the inverted bowl fitting (the dish fitting);



32 the cocoa jug:

33 the drip-catcher

34 the drop;

35 the biscuit barrel

36 the cake tongs

37 the salt pot (salt shaker)

38 the egg cup

39 the egg cosy

40 the egg spoon

41 the coffee cosy (cosy)

42 the sideboard:

43 the sliding door;

44 the punch bowl

45 the punch ladle

46 the punch cup

47 the teapot

48 the tea-strainer

49 the tea urn (samovar, *Am.* tea-kettle)

50 the salted almonds

51 the tea cosy (cosy)

52 the bottle basket

53 the tea trolley (dumb-waiter)

54 the domestic (servant, maid, domestic help, *Am.* hired girl, help, chamber-maid)

55 the maid's apron, a fancy apron

56 the maid's cap

57 the sideboard (buffet)

58 and 59 the crumb set:

58 the crumb brush

59 the crumb tray;

60 the tray

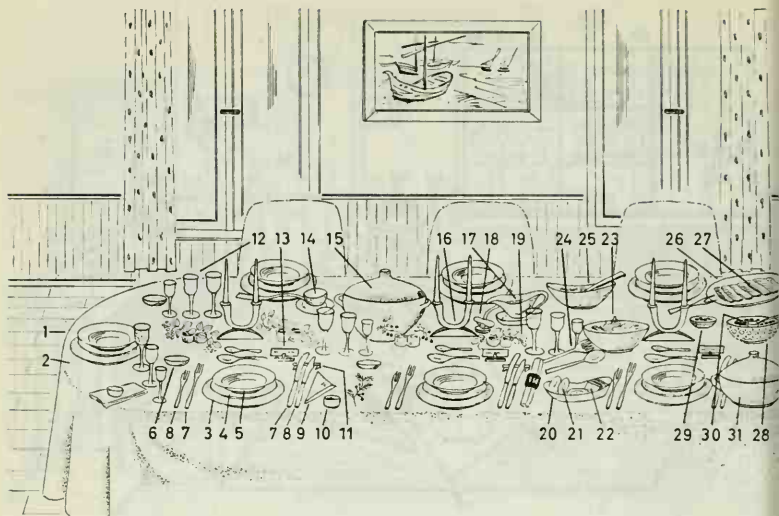
61 the cheese and salt straws (*Am.* cheese and salt sticks)

62 the serving hatch

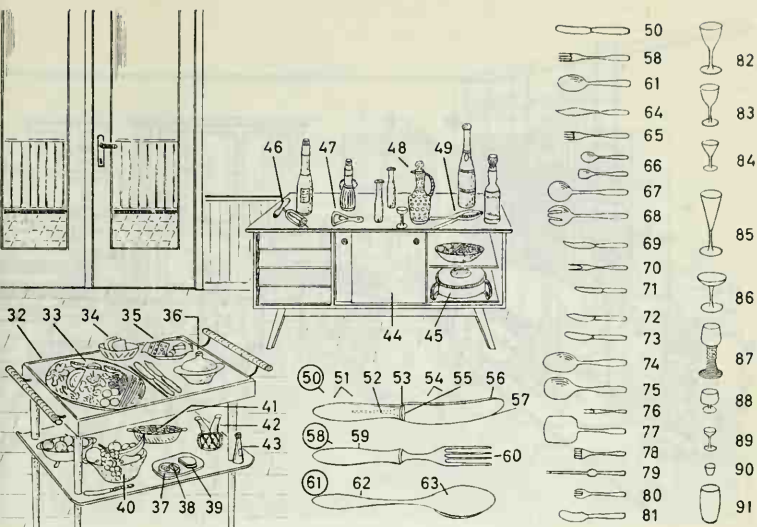
63 the cheese dish cover

64 the mat

46 The Table (Set Table)

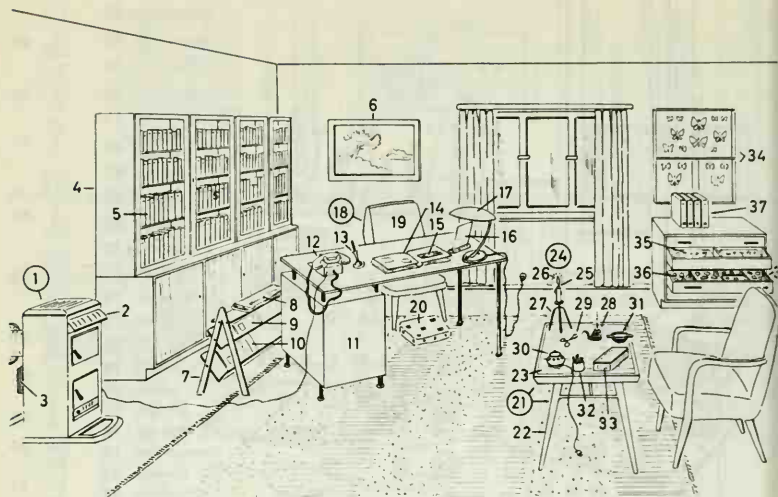


- | | |
|--|---|
| 1 the dinner table | 25 the vegetable dish [for hot vegetables] |
| 2 the table cloth, a damask cloth | 26 the meat dish (platter for the roast, <i>Am.</i> joint platter) |
| 3-12 the cover: | 27 the roast meat |
| 3 the under plate | 28 the compote (stewed-fruit) bowl |
| 4 the dinner plate (flat plate) | 29 the compote dish |
| 5 the soup plate (deep plate) | 30 the compote (stewed fruit) |
| 6 the pudding plate (plate for the dessert, <i>Am.</i> for the sweet course) | 31 the potato dish |
| 7 knife and fork | 32 the serving trolley |
| 8 fish knife and fork | 33 the vegetable dish (vegetable platter) [for cold vegetables or hors d'œuvre] |
| 9 the napkin (table napkin, serviette) | 34 the toast |
| 10 the napkin (serviette) ring | 35 the cheese dish |
| 11 the knife rest | 36 the butter dish |
| 12 the wine glasses; | 37 the open sandwich |
| 13 the place card | 38 the comestible |
| 14 the soup ladle | 39 the sandwich |
| 15 the soup tureen | 40 the fruit bowl |
| 16 the candlestick | 41 the almonds |
| 17 the sauce (gravy) boat | 42 the oil and vinegar bottle |
| 18 the sauce (gravy) ladle | 43 the ketchup (catchup, <i>Am.</i> catsup) |
| 19 the table decoration | 44 the sideboard |
| 20 the bread (roll) basket | 45 the electric plate-warmer |
| 21 the roll | 46 the corkscrew |
| 22 the slice of bread | 47 the crown-cork bottle-opener, a bottle-opener |
| 23 the salad bowl | |
| 24 the salad-servers (salad set) | |



- 48 the liqueur decanter
- 49 the nut-crackers
- 50 the knife:
- 51 the handle
- 52 the tongue
- 53 the bolster
- 54 the blade:
- 55 the end
- 56 the back
- 57 the edge;
- 58 the fork:
- 59 the handle
- 60 the prong (tine, tang);
- 61 the spoon (soup spoon):
- 62 the handle
- 63 the bowl;
- 64 the fish knife
- 65 the fish fork
- 66 the dessert spoon (pudding spoon)
- 67 the salad spoon
- 68 the salad fork
- 69 and 70 the set of carvers:
- 69 the carving knife
- 70 the carving fork;

- 71 the fruit knife
- 72 the cheese knife
- 73 the butter knife
- 74 the vegetable spoon, a table spoon (serving spoon)
- 75 the potato spoon
- 76 the sandwich fork
- 77 the asparagus-server (asparagus slice)
- 78 the sardine-server
- 79 the lobster fork
- 80 the oyster fork
- 81 the caviar knife
- 82 the white-wine glass
- 83 the red-wine glass
- 84 the sweet-wine glass
- 85 and 86 champagne glasses:
- 85 the tapering glass
- 86 the shallow-bowled champagne glass, a crystal glass;
- 87 the rummer
- 88 the brandy glass
- 89 the liqueur glass
- 90 the gin glass
- 91 the tumbler, a beer glass

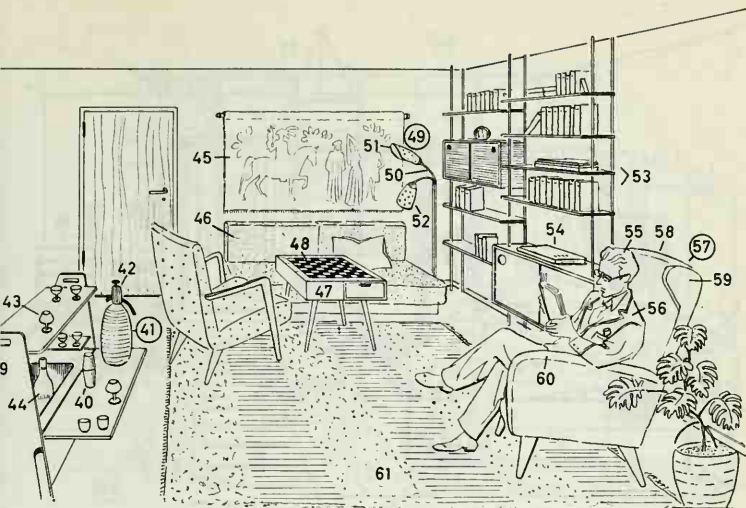


1-61 the study (*fam. den*),

- 1 the hot-air stove:
- 2 the hot-air outlet
- 3 the air intake (air-inlet) duct;
- 4 the bookcase
- 5 the row of books
- 6 the oil painting, a landscape
- 7 the newspaper and magazine rack or stand
- 8 the daily newspaper (journal)
- 9 the magazine, a monthly
- 10 the illustrated paper (picture paper), a weekly
- 11 the writing table (desk)
- 12 the desk telephone
- 13 the fountain pen stand
- 14 the photograph album (photo album)
- 15 the photograph (photo)
- 16 the photograph frame

17 the desk lamp, an adjustable reading lamp

- 18 the desk chair:
- 19 the leather upholstery;
- 20 the hassock
- 21 the smoking table, a tiled table:
- 22 the table-leg
- 23 the table-top;
- 24 the candle (light):
- 25 the wick
- 26 the candle flame;
- 27 the candlestick
- 28 the fumigating candle (fumigation pastil or pastille)
- 29 the snuffers
- 30 the smoke-consumer
- 31 the ash-tray
- 32 the cigarette-box
- 33 the cigar-box



34-36 the natural history collection:

34 the butterfly collection

35 the insect and beetle collection

36 the mineral collection;

37 the collection of photographs

38 the coin collection

39 the cocktail cabinet

40-43 the mixing set (cocktail set):

40 the shaker

41 the siphon (syphon; siphon bottle)

with the soda water (aerated water):

42 the oxygen capsule;

43 the cocktail glass;

44 the bottle of whisky (of whiskey)

45 the Gobelin tapestry (hand-woven tapestry)

46 the couch, a sofa-bed (settee-bed, studio couch)

47 the chess table

48 the inlaid work (wood mosaic, marquetry), a chessboard

49 the reading lamp, a standard lamp (floor lamp):

50 the flexible arm (gooseneck)

51 the bullet-shaped shade

52 the lamp-shade;

53 the book-shelves, a sectional bookcase, a piece of combination furniture (unit furniture)

54 the art album

55 the master of the house

56 the smoking jacket

57 the high-backed armchair (wing chair, upholstered armchair, easy chair), an

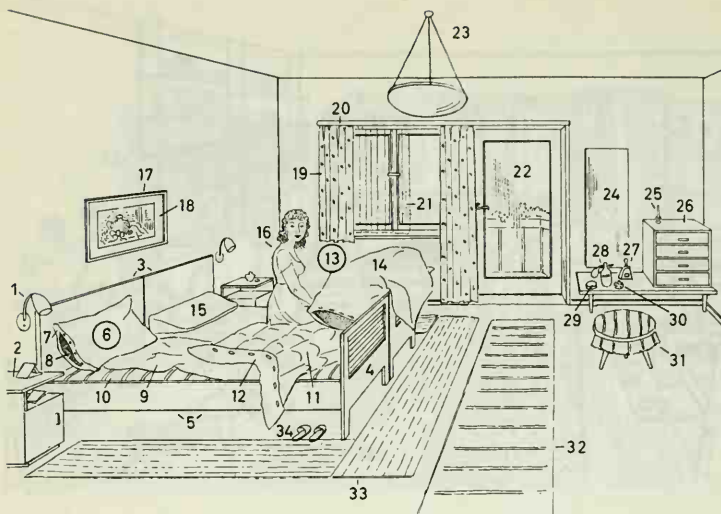
58 the back of the chair [armchair:

59 the head-rest (wing)

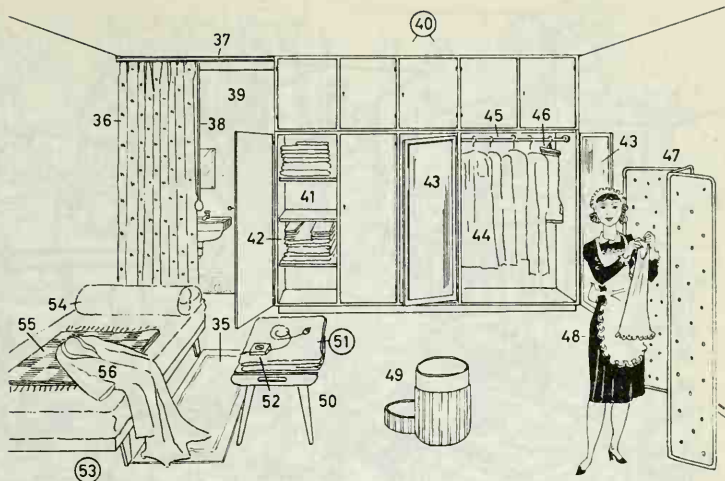
60 the arm (arm-rest);

61 the pile carpet

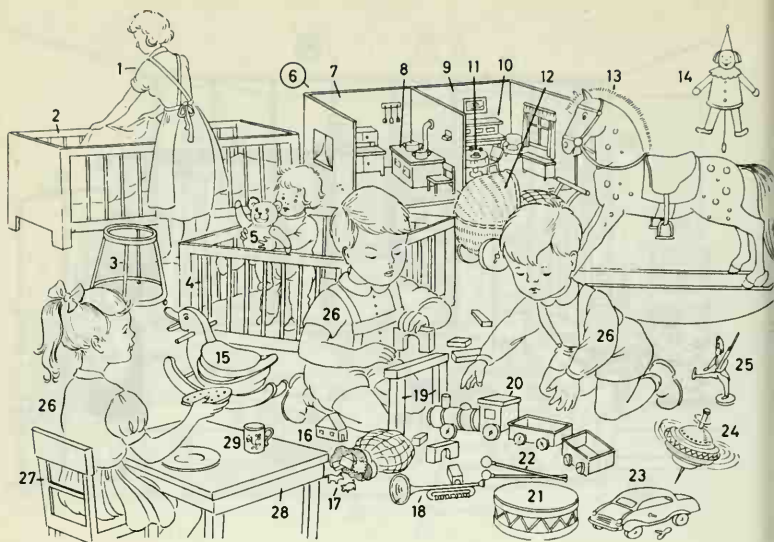
48 The Bedroom



- | | |
|--|--|
| 1 the bedside reading lamp, a wall lamp | 16 the lady in nightdress (<i>fam.</i> nightie; in <i>négligé</i> , <i>deshabille</i> , <i>dishabille</i>) |
| 2 the bedside or night table (night com- | 17 the picture frame |
| 3-15 the bed, a double bed, {mode} | 18 the interchangeable mount |
| 3-5 the bedstead: | 19 the curtain |
| 3 the head of the bed | 20 the curtain-rod |
| 4 the foot of the bed | 21 the window curtain, a drawable cur- |
| 5 the side of the bed; | tain |
| 6 the pillow (feather pillow): | 22 the balcony door |
| 7 the pillow slip | 23 the bedroom lamp |
| 8 the tick (ticking); | 24 the dressing mirror (dressing table |
| 9 the bottom sheet, a linen sheet (sheet) | 25 the ring stand {mirror} |
| 10 the mattress with tick (ticking) cover | 26 the dressing table (toilet table, <i>Am.</i> |
| 11 the quilt (<i>Am.</i> comfortable, comforter), | dresser, vanity) |
| an eiderdown (down), or sheeps-wool, | 27 the scent bottle (perfume flacon) |
| quilt | 28 the scent spray (perfume spray, <i>Am.</i> |
| 12 the quilt cover (turn-down sheet) | atomizer) |
| 13 the feather bed: | 29 the powder box (powder bowl, <i>Am.</i> |
| 14 the feather-bed cover; | compact) |
| 15 the wedge-shaped bolster; | |



- 30 the powder puff
- 31 the dressing pouffe (dressing pouf),
a fancy tabouret
- 32 the carpet runner
- 33 the bedside carpet runners
- 34 the slipper (mule), a pabouch
(pabouche, papoosh, babouche, *Am.*
coll. softies)
- 35 the bedside rug (*Am.* throw rug)
- 36 the curtain on runners
- 37 the ceiling slat
- 38 the rod for drawing the curtain
- 39 the washing niche (washing
recess)
- 40 the bedroom cupboard (combined
wardrobe and linen cupboard):
- 41 the cupboard shelf (linen shelf)
- 42 the stack (pile) of linen (linen)
- 43 the wardrobe mirror;
- 44 the air-tight, dustproof, and moth-
proof storage bag or sack
- 45 the wardrobe rod
- 46 the trouser-hanger
- 47 the screen (folding screen)
- 48 the lady's maid (*Am.* chambermaid)
- 49 the dirty-linen basket (laundry basket)
- 50 the curved stool, a stool
- 51 the electric blanket (heating blanket):
- 52 the temperature regulator for
controlling the heat;
- 53 the couch (divan):
- 54 the neck cushion (bolster, couch roll,
divan roll);
- 55 the travelling (*Am.* traveling) rug (rug,
Am. lap robe, car rug, steamer rug), a
blanket
- 56 the kimono, a dressing gown (*Am.*
bathrobe, slumber robe)



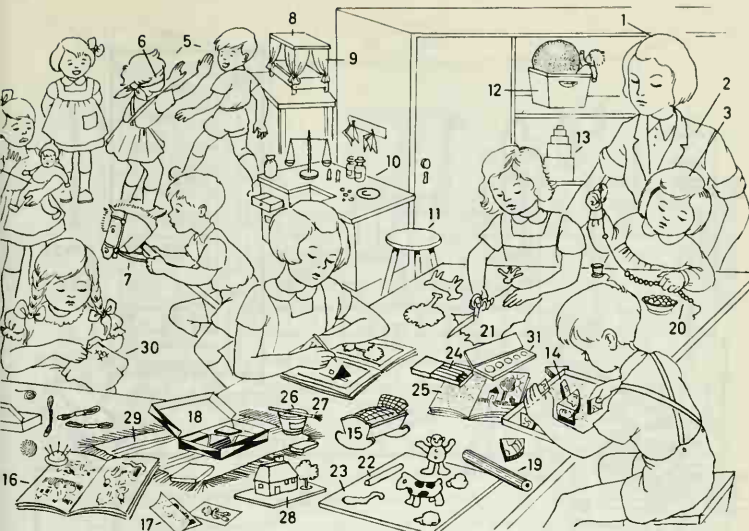
1-29 the day-nursery

(nursery, children's play-room):

- 1 the nursemaid (nursery maid)
- 2 the child's cot (*Am.* baby's crib)
- 3 the go-cart (*Am.* baby-walker, walker)
- 4 the play-pen
- 5-29 toys (playthings):
- 5 the teddy bear, a soft animal, a cuddly toy
- 6 the doll's house:
- 7 the doll's kitchen
- 8 the doll's kitchen range
- 9 the doll's room
- 10 the doll's furniture
- 11 the doll's tableware;
- 12 the doll's pram
- 13 the rocking-horse

14 the jumping jack (*Am.* supple-jack)

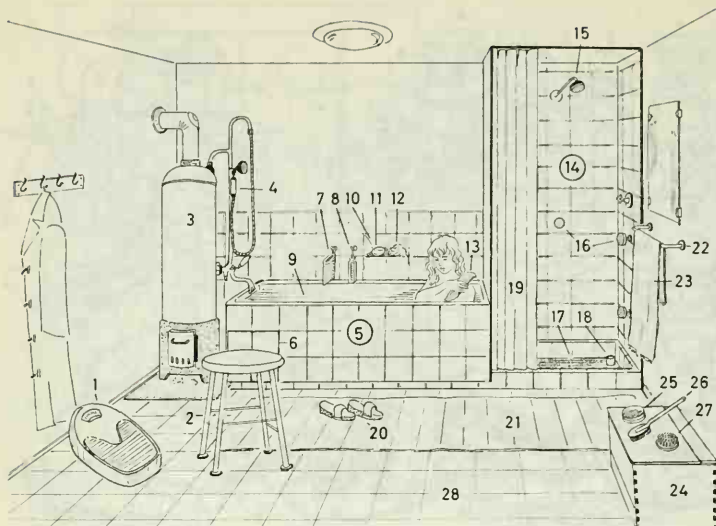
- 15 the rocking-duck, a rocking-seat
- 16 the toy house
- 17 the toy animals
- 18 the toy trumpet
- 19 the toy bricks
- 20 the toy train
- 21 the toy drum
- 22 the drumsticks
- 23 the toy motor car (toy car)
- 24 the humming-top
- 25 the tin soldier (lead soldier, toy soldier), a tin figure (lead figure)
- 26 the small child (infant, child under school age, toddler)
- 27 the child's chair
- 28 the child's table
- 29 the child's milk-beaker



- 1 the kindergarten teacher
- 2 the overall (nurse's uniform)
- 3 the child
- 4 the baby doll
- 5 blindman's buff
- 6 the bandage over the eyes
- 7 the hobby-horse
- 8 the doll's bed:
- 9 the canopy;
- 10 the toy shop
- 11 the child's stool
- 12 the toy box
- 13 the bricks
- 14 the jig-saw puzzle, a puzzle
- 15 the doll's cradle
- 16 the picture-book
- 17 the transfer-picture
(transfer)
- 18 the mosaic game

- 19 the kaleidoscope
- 20-31 children's handicrafts**
(handwork):
- 20 the glass beads (beads)
- 21 the cut-out sheet of
cardboard
- 22 the plasticine, modelling
(*Am.* modeling) material
- 23 the modelling (*Am.* modeling)
board
- 24 the coloured (*Am.* colored)
pencils (crayons)
- 25 the painting-book
- 26 the paste-pot
- 27 the paste-brush
- 28 the paste-work
- 29 the weaving
- 30 the embroidery, needlework
- 31 the paint-box

51 Bathroom and Lavatory



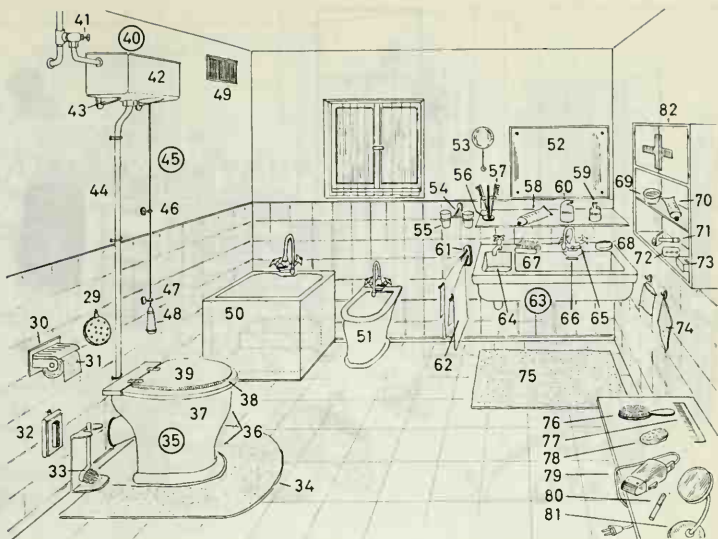
1-28 the bathroom (*Am.* bath, toilet):

- 1 the bathroom scales (personal weighing machine)
- 2 the bathroom stool
- 3 the coal water-heater
- 4 the hand shower
- 5 the built-in bath, a full-length bath:
- 6 the inspection panel;
- 7 the wash glove (bath mit)
- 8 the bath thermometer
- 9 the bath water
- 10 the soap-dish recess
- 11 the bath soap
- 12 the bath sponge
- 13 the loofa(h)
- 14 the shower cabinet:
- 15 the ceiling shower
- 16 the wall shower
- 17 the shower tray
- 18 the overflow pipe (water outlet);
- 19 the plastic curtain
- 20 the bath slipper (mule)
- 21 the bath mat

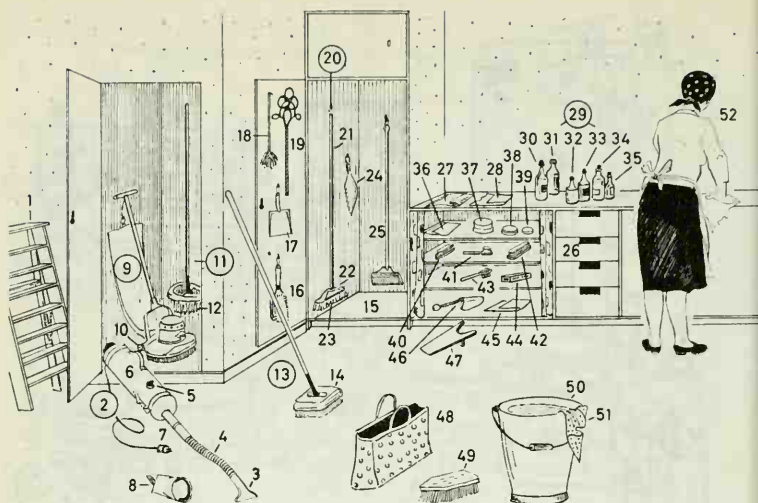
- 22 the towel rail
- 23 the bath towel
- 24 the box seat
- 25 the bath salts (bath crystals)
- 26 the back brush
(bath brush, flesh brush)
- 27 the massage brush
(body friction brush)
- 28 the tiled floor;

29-82 the lavatory:

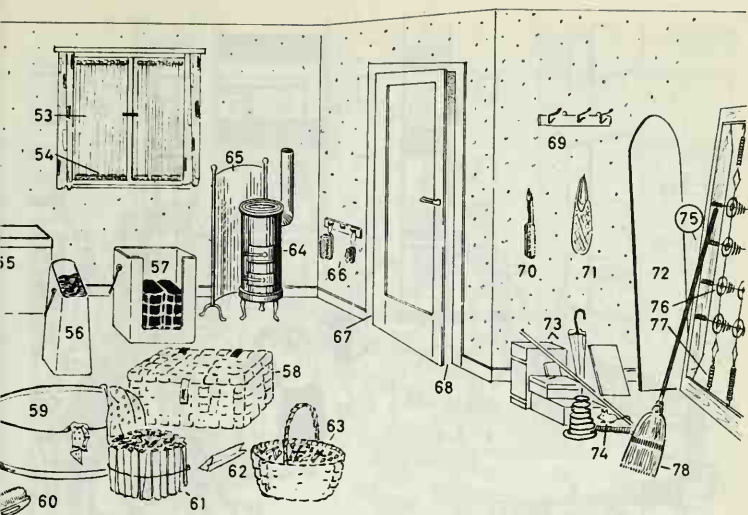
- 29 the air-purifier (deodorant)
- 30 the toilet (lavatory) paper-holder
- 31 the toilet roll, a crepe paper product
- 32 the lavatory seat-cleaner
- 33 the lavatory brush
- 34 the pedestal mat
- 35 the closet water closet
(W.C., w.c., lavatory, toilet):
- 36 the water-closet bowl (lavatory bowl)
- 37 the water-closet pan (lavatory pan)
- 38 and 39 the closet seat with cover:



- | | |
|---|---|
| 38 the lavatory seat | 62 the towel |
| 39 the lavatory lid (lavatory cover); | 63 the wash-basin (hand-basin) |
| 40 the flushing system; | 64 the mouth-rinsing basin |
| 41 the stopcock | 65 the plug lever |
| 42 the cistern (water tank) | 66 the overflow; |
| 43 the bracket | 67 the nail brush (<i>Am.</i> hand scrub, hand brush) |
| 44 the flush pipe; | 68 the toilet soap; |
| 45 the chain pull and handle; | 69 the shaving soap |
| 46 the chain | 70 the shaving cream |
| 47 the bracket | 71 the safety razor |
| 48 the handle; | 72 the razor blade |
| 49 the ventilator | 73 the razor blade hone or sharpener |
| 50 the hip bath (sit-down bath) | 74 the face-flannel (face-cloth, <i>Am.</i> wash rag, wash cloth) |
| 51 the bidet | 75 the foam-rubber mat |
| 52-68 the wash-basin, with accessories: | 76 the hair brush |
| 52 the bathroom mirror | 77 the comb |
| 53 the wall light | 78 the pumice stone |
| 54 the tooth glass holder | 79 the electric razor |
| 55 the tooth glass | 80 the styptic pencil |
| 56 the tooth brush stand | 81 the shaving mirror |
| 57 the tooth brush | 82 the family medicine chest |
| 58 the tooth paste (dentifrice) | (bathroom cabinet, toilet cabinet) |
| 59 the tooth powder (dentifrice) | |
| 60 the mouth wash | |
| 61 the towel rail | |

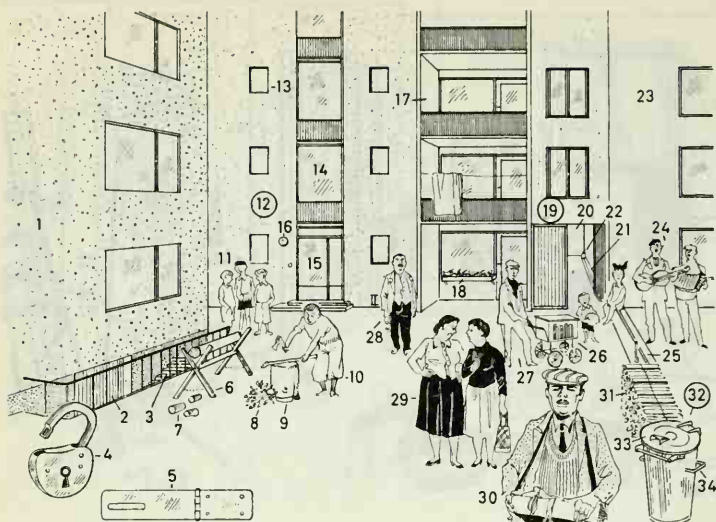


- | | |
|---|---|
| 1 the pair of steps (step-ladder) | 22 the broom head |
| 2 the vacuum cleaner (cleaner): | 23 the bristles; |
| 3 the nozzle | 24 the feather-brush |
| 4 the flexible metal hose | 25 the scrubber (long-handled scrubbing brush, <i>Am.</i> long-handled scrub-brush) |
| 5 the switch | 26 the shoe-cleaning (<i>Am.</i> shoeshining) cupboard |
| 6 the cylinder (tank, body) | 27 the duster |
| 7 the plug | 28 the window leather (chamois leather, shammy) |
| 8 the dust-bag; | 29 cleaning materials (cleaners): |
| 9 the carpet-sweeper and floor-polisher: | 30 the cleaning petrol (<i>Am.</i> cleaning gasoline) |
| 10 the foot-operated on-off switch; | 31 the ammonia solution |
| 11 the mop: | 32 the spirit (alcohol) |
| 12 the yarn; | 33 the glycerine |
| 13 the floor-polisher: | 34 the turpentine (<i>coll.</i> turps) |
| 14 the polishing brush; | 35 the spirits of salt (hydrochlorid acid, muriatic acid); |
| 15 the broom cupboard | 36 the floor-polishing cloth |
| 16 the brush | 37 the floor-polish (floor wax) |
| 17 the dustpan | 38 the shoe-polish (<i>Am.</i> shoeshine) |
| 18 the feather-duster | |
| 19 the carpet-beater | |
| 20 the soft broom (<i>Am.</i> long-handled brush): | |
| 21 the broomstick | |



- 39 the dubbin (dubbing)
- 40-43 shoe brushes:
- 40 the cleaning brush
- 41 the brush for applying polish
- 42 the polishing brush
- 43 the rubber brush (suède brush), a brush for suède shoes;
- 44 the suède powder
- 45 the furniture-polishing cloth
- 46 the shoe-tree (shoe-stretcher)
- 47 the boot-jack
- 48 the shopping-bag
- 49 the scrubbing brush (Am. scrub-brush)
- 50 the pail (bucket)
- 51 the cleaning-cloth
- 52 the charwoman (char, cleaner, Am. hired woman, scrubwoman)
- 53 the casement curtain
- 54 the curtain-rod
- 55 the coal-box
- 56 the coal-hod
- 57 the briquette box

- 58 the lockable hamper
- 59 the tin bath
- 60 the carpet brush
- 61 the kindling wood, a bundle of firewood
- 62 the piece of wood
- 63 the wood-basket
- 64 the cylindrical iron stove
- 65 the fire-screen
- 66 the clothes-brush
- 67 the crack in the door
- 68 the door opening
- 69 the clothes-rack
- 70 the crumb-brush
- 71 the string-bag
- 72 the ironing-board
- 73 the lumber
- 74 the mouse
- 75 the spring mattress:
- 76 the spiral (helical) spring
- 77 the draw (tension) spring;
- 78 the birch broom (besom)

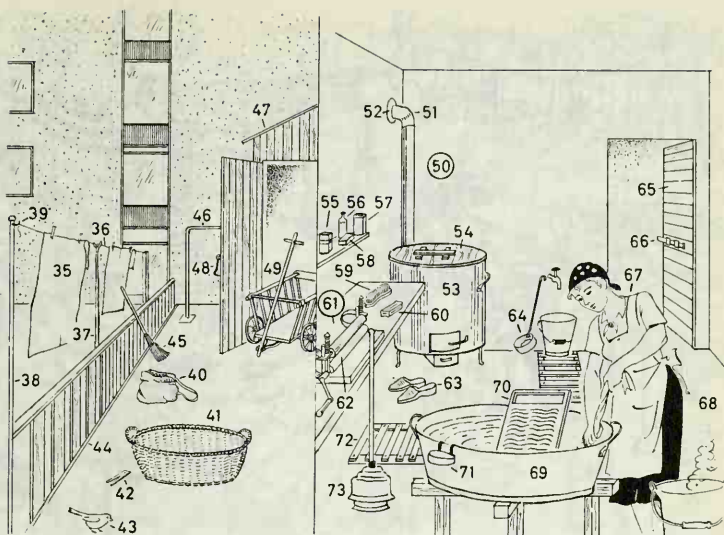


Engl. courtyard = Am. dooryard

1-49 the court (courtyard, backyard):

- 1 the side building (annex), a back building
- 2 the cellar door
- 3 the cellar steps
- 4 the padlock
- 5 the hasp
- 6 the saw horse (saw jack, saw buck, saw trestle)
- 7 the log
- 8 the firewood (chopped wood, kindling)
- 9 the chopping (hacking) block
- 10 the wood-cutter (wood-chopper)
- 11 the street children (urchins, ragamuffins, street arabs)
- 12 the block of flats (tenement house, *Am.* apartment house):
- 13 the lavatory (W.C., toilet) window
- 14 the staircase window
- 15 the back-door
- 16 the courtyard lamp

- 17 the built-in balcony (loggia)
- 18 the window-box
- 19 the passage (passageway, doorway, *Am.* driveway, thrufare):
- 20 the door (yard door)
- 21 the kerb (curb)
- 22 the kerbstone (curbstone);
- 23 the neighbouring (*Am.* neighboring; adjoining, next-door) house
- 24 the street singer (street musician)
- 25 the courtyard wall (party wall)
- 26 the barrel-organ
- 27 the organ-grinder
- 28 the caretaker (janitor, porter, concierge)
- 29 the gossip (scandalmonger, newsmonger, tattler)
- 30 the pedlar (hawker)
- 31 the woodpile (stack of wood, pile of wood)
- 32 the dustbin (refuse bin, trash bin, *Am.* ashcan, garbage can):
- 33 the lid (hinged lid)
- 34 the handle;



35-42 the clothes-drying place (drying yard):

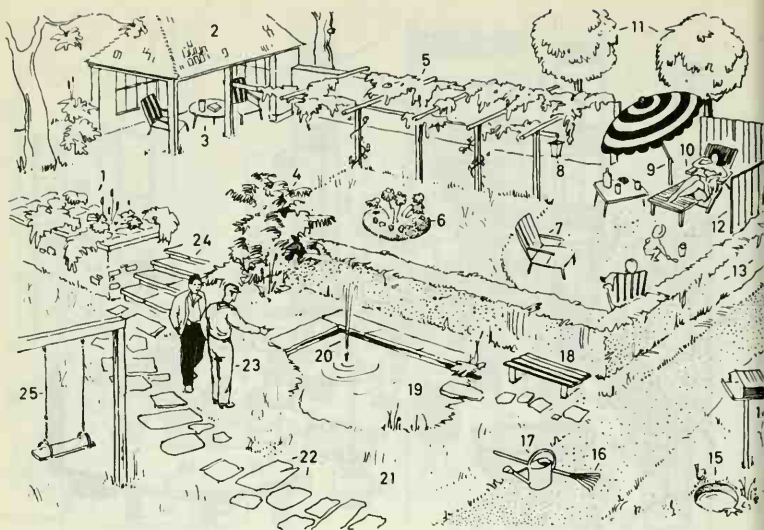
- 35 the washing
- 36 the clothes-line
- 37 the clothes-prop
- 38 the clothes-line post
- 39 the hook
- 40 the clothes-peg (clothes-pin) bag
- 41 the clothes-basket
- 42 the clothes-peg (*Am.* clothes-pin);
- 43 the house-sparrow
- 44 the wooden fence
- 45 the birch broom (*besom*)
- 46 the carpet-beating bar
- 47 the shed (*lean-to*)
- 48 the hook
- 49 the hand-truck (small cart);

50-73 the wash-house,

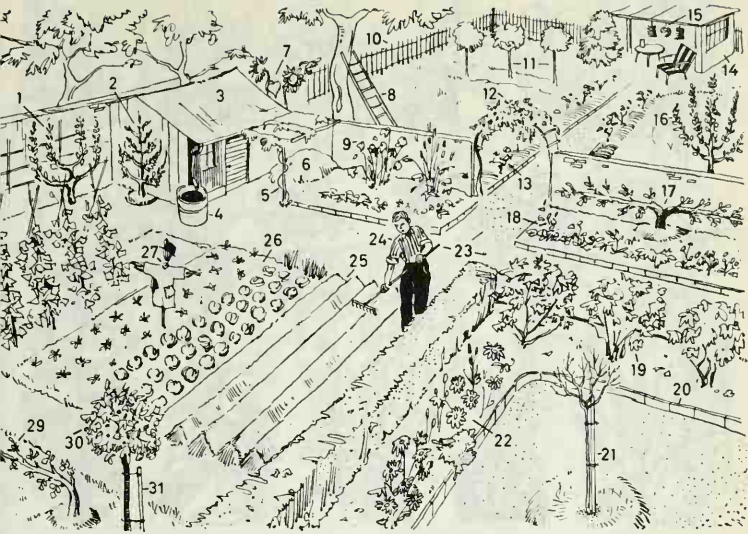
- 50 the stovepipe, a flue (gas escape):
- 51 the pipe elbow (pipe bend, pipe knee)
- 52 the stovepipe collar or rosace;
- 53 the copper

- 54 the copper lid, a wooden lid
- 55 the soap-powder
- 56 the stain-remover (*Am.* spot remover)
- 57 the starch
- 58 the packet of blue (of washing-blue)
- 59 the scrubbing-brush (*Am.* scrub-brush)
- 60 the bar of washing-soap (*Am.* laundry soap)
- 61 the wringer:
- 62 the roller;
- 63 the clog (wooden shoe)
- 64 the ladle
- 65 the wash-house door
- 66 the door-bolt, a bolt
- 67 the washerwoman (laundress, *Am.* washwoman)
- 68 the plaster (cement) floor
- 69 the wash-tub
- 70 the scrubbing-board (*Am.* wash-board)
- 71 the soap-dish
- 72 the duckboards
- 73 the dolly

54 The Flower Garden (Pleasure Garden)



- | | |
|--|--|
| 1 the rockery (rock garden) | 13 the thuya hedge (thuya hedge) |
| 2 the summer house | 14 the bird house (bird table) |
| 3 the garden furniture | 15 the bird bath, a concrete bowl |
| 4 the ornamental shrub | 16 the wire rake |
| 5 the covered walk (arbour,
arbourd walk; <i>Am.</i> arbor,
arbored walk; pergola) | 17 the watering can (<i>Am.</i> sprinkling
can) |
| 6 the round bed | 18 the garden bench (garden seat) |
| 7 the garden chair | 19 the garden pond, a pond |
| 8 the storm lantern | 20 the fountain |
| 9 the tiltable sunshade (tiltable
garden parasol) | 21 the lawn |
| 10 the deck chair | 22 the crazy paving (crazy pave-
ment) |
| 11 the globular (bushy-topped)
acacia | 23 the landscape gardener
(horticulturist, <i>Am.</i> landscape
architect) |
| 12 the screen (folding screen),
a protection against the wind | 24 the stone steps |
| | 25 the garden swing |



1-31 the small garden (garden plot, vegetable and fruit garden),

1, 2, 16, 17, 29 dwarf fruit trees (espaliers, espalier fruit trees, fruit trees trained to grow flat):

1 the quadruple cordon

2 the vertical cordon (single-stem fruit tree)

3 the garden shed

4 the water-butt (water barrel, barrel for rain-water)

5 the climbing plant (climber, creeper, rambler)

6 the compost heap

7 the sunflower

8 the garden ladder

9 the perennial (flowering perennial)

10 the garden fence (wooden fence, paling)

11 the standard berry

12 the climbing rose (rambler rose) on the trellised arch

13 the rose bush (bush rose, dwarf rose)

14 the summer house

15 the Chinese lantern (paper lantern)

16 the pyramid (pyramid-trained tree, round tree), a free-standing espalier

17 the double horizontal cordon, a wall espalier

18 the flower bed, a border bed

19 the berry-bearing bush

20 the border of concrete slabs

21 the rose standard (rose tree, standard rose)

22 the border with perennials

23 the garden path, a gravel path

24 the amateur gardener

25 the asparagus bed

26 the vegetable bed

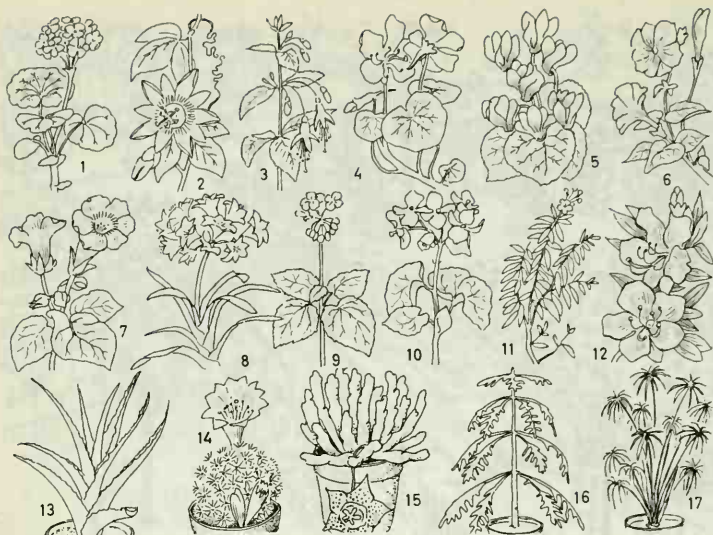
27 the scarecrow

28 the bean stick (bean pole)

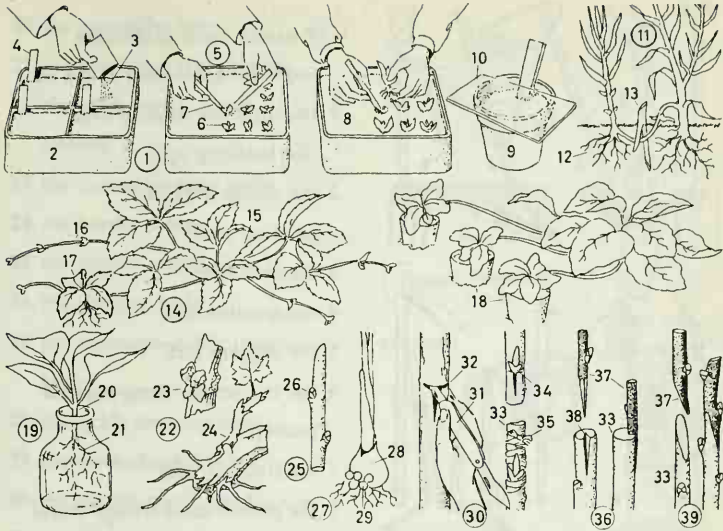
29 the horizontal cordon

30 the standard fruit tree

31 the tree stake



- | | |
|--|---|
| 1 the geranium (pelargonium, scarlet geranium), a Geranium | 8 the clivia (Kaffir lily), an Amaryllis |
| 2 the passion flower (Passiflora), one of the Parietales | 9 the African hemp (Sparmannia), one of the Tiliaceae |
| 3 the fuchsia, an evening primrose, one of the Onagraceae | 10 the begonia |
| 4 the nasturtium (Indian cress, Tropaeolum) | 11 the myrtle |
| 5 the cyclamen (sowbread), one of the Primulaceae | 12 the azalea, one of the Ericaceae |
| 6 the petunia, one of the Solanaceae | 13 the aloe, one of the Liliaceae |
| 7 the gloxinia (sinningia), one of the Gesneriaceae | 14 the globe thistle (Echinops) |
| | 15 the carrion flower (Stapelia), an asclepiad |
| | 16 the Norfolk Island Pine, an Araucaria |
| | 17 the galingale (Cyperus), one of the Cyperaceae |



1 seed-sowing (sowing):

2 the seed pan (sowing pan)

3 the seed

4 the plant label (plant-marker, tally with the name of the plant)

5 the pricking-out (pricking-in, pricking-off) of the seedlings:

6 the seedling (young plant)

7 the dibble (dibber, planting stick)

8 the transplanting of the seedlings;

9 the flower pot, a pot for seed-sowing

10 the pane of glass;

11 the propagation by layers (layering):

12 the rooted layer

13 the forked twig for fixing;

14 the propagation by runners:

15 the parent plant

16 the runner

17 the rooted offshoot;

18 the setting of offshoots in pots

19 the cutting in water:

20 the cutting (slip, set)

21 the root;

22 the eye-cutting on the vine branch:

23 the eye (bud)

24 the sprouting (shooting) cutting;

25 the hard-wood cutting:

26 the bud;

27 the propagation by offsets:

28 the old bulb

29 the offset;

30-42 grafting,

30 budding (shield-budding):

31 the budding knife

32 the T-shaped slit

33 the stock

34 the inserted eye

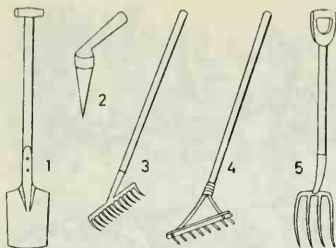
35 the raffia (bast) binding;

36 the grafting (cleft-grafting):

37 the graft (scion, shoot)

38 the wedge-shaped slit;

39 the splice-grafting



1-29 garden tools (gardening tools) for cultivation of the soil:

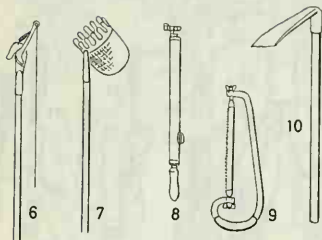
1 the spade for turning over (for breaking up)

2 the dibble (dibber, planting stick)

3 the iron rake

4 the wooden rake

5 the digging fork



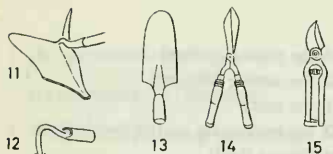
6 the tree-pruner (long-handled pruner)

7 the fruit-gatherer

8 the garden hand-syringe (hand insecticide-sprayer, shrub-sprayer, hand-sprayer)

9 the pruning saw (saw for cutting branches)

10 the mattock



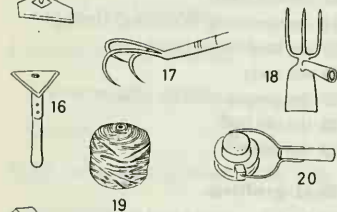
11 the triangular-bladed draw hoe

12 the draw hoe

13 the garden trowel

14 the hedge shears (hedge-clipper, garden shears)

15 the pruning-shears (secateurs)

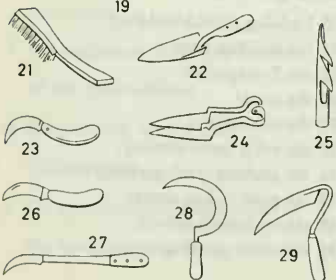


16 the tree-scraper (bark-scraper)

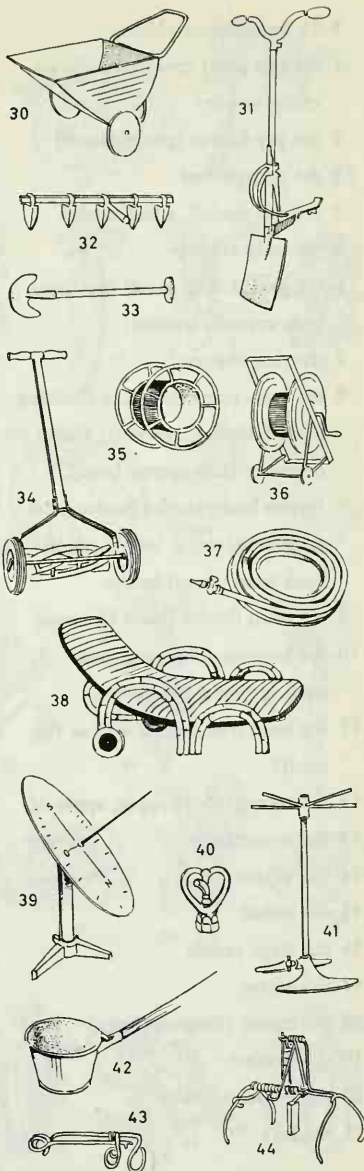
17 the three-prong cultivator

18 the combined hoe and fork

19 the twine for edge-straightening

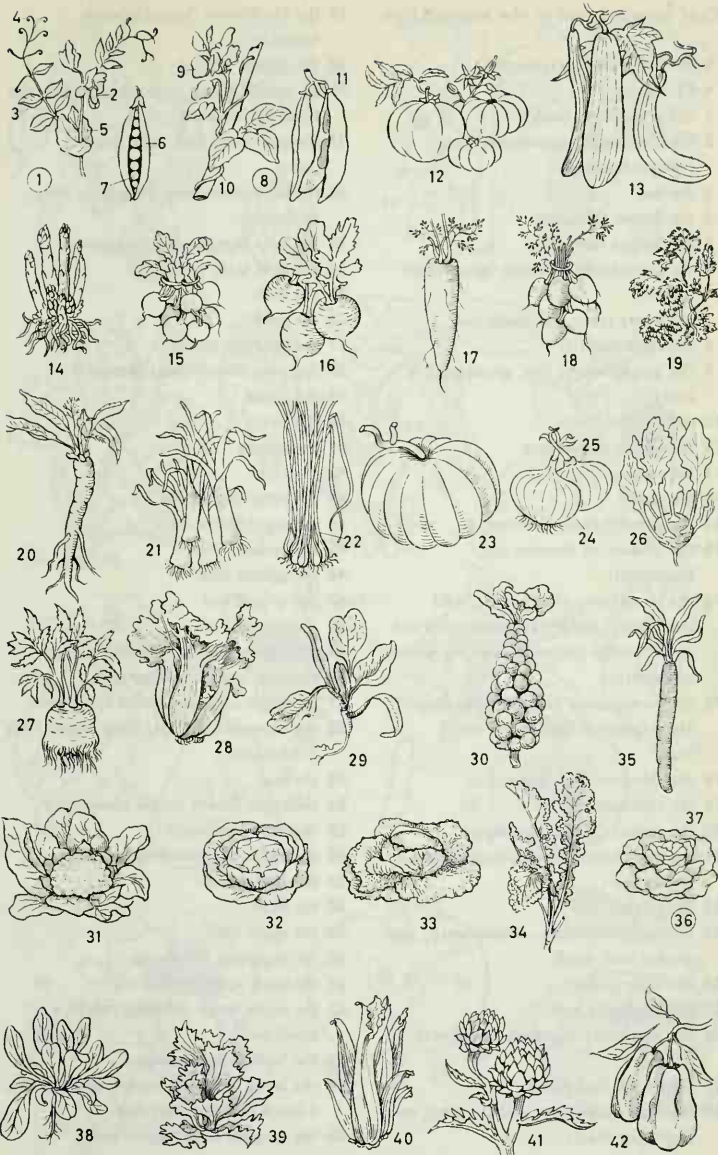


- 20 the caterpillar lamp
- 21 the tree brush (bark brush)
- 22 the small trowel (hand trowel)
- 23 the curved pruning knife
- 24 the border shears
- 25 the weeder (thistle-lifter)
- 26 the grafting knife
- 27 the asparagus-cutter (asparagus knife)
- 28 the sickle (reaping hook)
- 29 the scythe-bladed sickle;
- 30 the garden truck (garden cart)
- 31 the semi-automatic spade
- 32 the drill
- 33 the edge-trimmer
- 34 the lawn-mower
- 35 the hose reel
- 36 the hose reel with handle and wheels
- 37 the garden hose
- 38 the sun-couch on wheels
- 39 the sundial
- 40 the garden-sprinkler
- 41 the lawn-sprinkler
- 42 the liquid-manure scoop
- 43 the mole-trap
- 44 the vole-trap



59 Vegetables (Vegetable Plants)

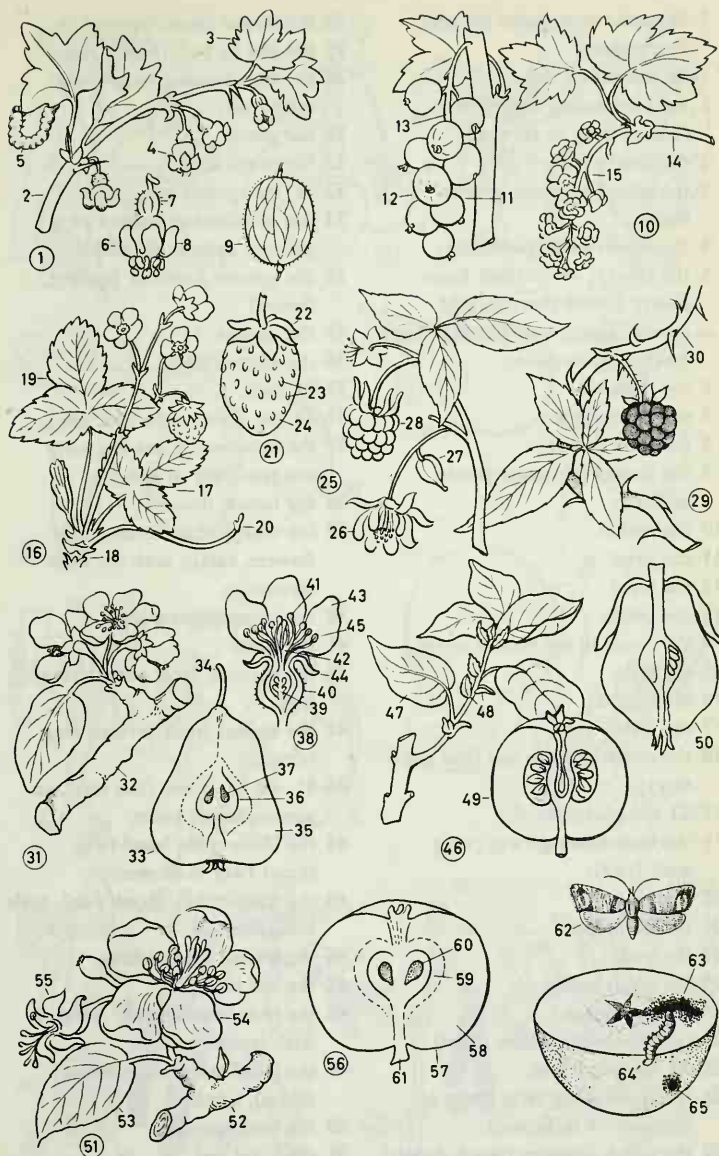
- 1-11 leguminous plants,
 - 1 the pea plant (pea), a papilionaceous flower:
 - 2 the pea flower (pea blossom)
 - 3 the pinnate leaf
 - 4 the pea tendril, a leaf tendril
 - 5 the leafy stipule
 - 6 the pod, a seed vessel (pericarp, fruit capsule, legume)
 - 7 the pea, the seed;
 - 8 the bean plant (bean), a climbing plant (climber, creeper); *kinds*: common bean (green bean); runner bean; scarlet runner (*Am.* snap bean, string bean); *smaller*: bush bean (dwarf bean).
 - 9 the bean flower (bean blossom)
 - 10 the twining (creeping) bean stalk (twining bean stem)
 - 11 the bean [the pod as well as the seed];
- 12 the tomato (love apple, apple of love)
- 13 the cucumber [love]
- 14 the asparagus
- 15 the radish
- 16 the large radish
- 17 the carrot
- 18 the carrot (Belgian carrot)
- 19 the parsley
- 20 the horse radish
- 21 the leek
- 22 the chives
- 23 the pumpkin (*Am.* squash); *sim.*
- 24 the onion [melon]
- 25 the onion skin
- 26 the kohlrabi (turnip cabbage)
- 27 the celeriac;
- 28-34 cabbage plants:
 - 28 the mangel (mangel wurzel, mangold, mangold wurzel)
 - 29 the spinach
 - 30 the Brussels sprouts (sprouts)
 - 31 the cauliflower
 - 32 the cabbage (cabbage head, head of cabbage), a cabbage; *sorts*: white cabbage, red cabbage
 - 33 the savoy (savoy cabbage)
 - 34 the kale (kail, Scotch kale, borecole, winter greens, curly kale, curly greens);
 - 35 the scorzonera (black salsify, viper's grass)
- 36-42 salad plants,
 - 36 the lettuce (head of lettuce):
 - 37 the lettuce leaf;
 - 38 the corn salad (lambs' tongues)
 - 39 the endive
 - 40 the chicory plant (*Am.* *loosely*: endive)
 - 41 the artichoke
 - 42 the paprika (Spanish pepper, Hungarian red pepper)



60 Soft Fruit and Pomes (Pomiferous Fruit)

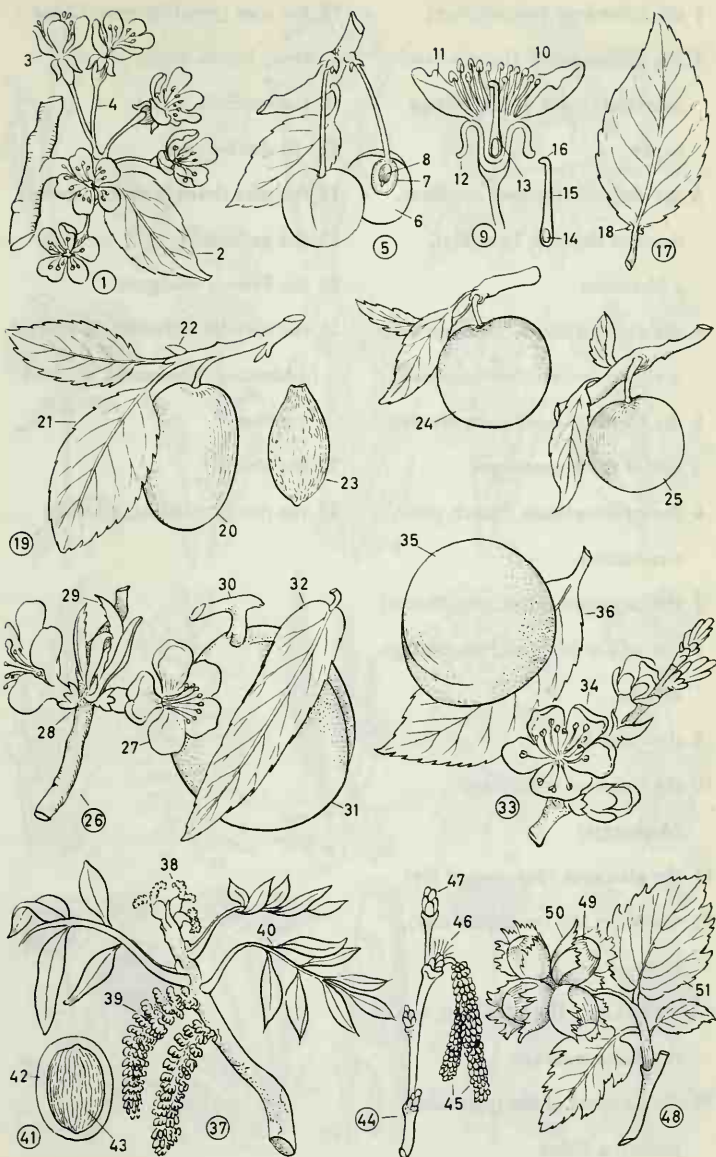
Engl. kernelled fruit = *Am.* kerneled fruit

- 1-30 soft fruit (berry bushes),
- 1-15 *Ribes*,
- 1 the gooseberry bush:
- 2 the blossoming gooseberry twig (twig in flower)
- 3 the leaf
- 4 the flower (blossom)
- 5 the looper caterpillar
- 6 the gooseberry blossom (gooseberry flower)
- 7 the ovary lying inferiorly
- 8 the calyx (sepals)
- 9 the gooseberry (*fam.* goosegog), a berry;
- 10 the currant bush:
- 11 the bunch of currants
- 12 the currant
- 13 the stalk
- 14 the currant twig in flower
- 15 the cluster of flowers (of blossoms);
- 16 the strawberry plant; *sorts* : wild strawberry, garden strawberry (wood strawberry), perpetual-fruiting wood strawberry:
- 17 the blossoming and fruit-bearing plant (plant in flower and in fruit)
- 18 the rhizome (*err.* root stock)
- 19 the trifoliate leaf
- 20 the runner (side shoot, layer)
- 21 the strawberry, a pseudocarp (pseudoberry):
- 22 the calyx
- 23 the achene (akene, achaenocarp, one-seeded fruit, seed)
- 24 the flesh (pulp);
- 25 the raspberry bush:
- 26 the raspberry blossom (raspberry flower)
- 27 the flower bud (bud)
- 28 the fruit (raspberry, *dialect* : rasp), an aggregate fruit;
- 29 the blackberry (brambleberry, bramble):
- 30 the thorny tendril;
- 31-61 pomes (fruit with pips, pomiferous fruit, Pomoideae),
- 31 the pear tree; *also* : wild pear tree:
- 32 the blossoming pear twig (pear twig in flower)
- 33 the pear [longitudinal section]:
- 34 the pear stalk (stalk)
- 35 the flesh
- 36 the core
- 37 the pear pip (seed);
- 38 the pear flower (pear blossom):
- 39 the ovule
- 40 the ovary
- 41 the stigma
- 42 the style
- 43 the petal (flower leaf)
- 44 the sepal (calyx leaf)
- 45 the anther;
- 46 the quince tree:
- 47 the quince leaf
- 48 the stipule
- 49 the apple quince (quince)
- 50 the pear quince (quince);
- 51 the apple tree; *also* : wild apple tree:
- 52 the blossoming apple twig (apple twig in blossom)
- 53 the leaf
- 54 the apple flower (apple blossom)
- 55 the defforate flower;
- 56 the apple [longitudinal section]:
- 57 the apple skin
- 58 the flesh
- 59 the apple core
- 60 the apple pip, a fruit pip
- 61 the apple stalk (stalk);
- 62 the apple moth (codling moth), a small moth
- 63 the burrowing passage
- 64 the larva (maggot, worm, apple grub), a small moth's caterpillar
- 65 the maggot hole (worm hole)



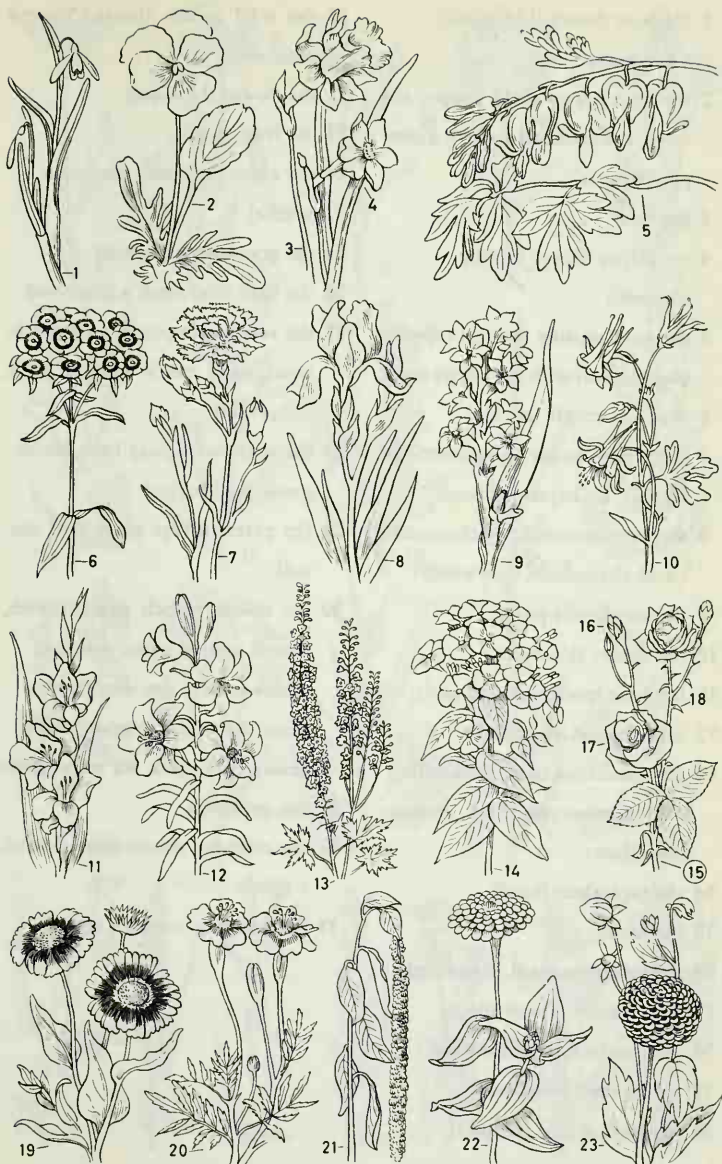
61 Stone Fruit and Nuts (Kernelled Fruit)

- 1-36 stone fruit plants (drupes, Prunoideae),
- 1-18 the cherry tree,
- 1 the blossoming cherry twig (cherry twig in flower):
- 2 the cherry leaf
- 3 the cherry blossom (cherry flower)
- 4 the flower stalk (peduncle);
- 5 the cherry; *sorts* : black heart cherry (sweet cherry), wild cherry (gean), sour (bitter) cherry (mahaleb), morello:
- 6 the flesh
- 7 the cherry stone
- 8 the seed (kernel);
- 9 the flower (blossom) [cross section]:
- 10 the anther
- 11 the petal
- 12 the sepal
- 13 the pistil
- 14 the ovule in the central ovary
- 15 the style
- 16 the stigma;
- 17 the leaf:
- 18 the nectary of the leaf (leaf nectary);
- 19-23 the plum tree,
- 19 the fruit-bearing twig (twig with fruit):
- 20 the plum
- 21 the plum leaf
- 22 the bud;
- 23 the plum stone;
- 24 the greengage
- 25 the mirabelle (yellow plum)
- 26-32 the peach tree,
- 26 the blossoming twig (twig in blossom or in flower):
- 27 the peach blossom (peach flower)
- 28 the flower shoot (sprout)
- 29 the leaf in bud (young leaf);
- 30 the fruit-bearing twig (twig with fruit)
- 31 the peach
- 32 the peach leaf;
- 33-36 the apricot tree,
- 33 the blossoming apricot twig (apricot twig in flower):
- 34 the apricot blossom (apricot flower)
- 35 the apricot
- 36 the apricot leaf;
- 37-51 nuts,
- 37-43 the walnut tree (nut tree),
- 37 the blossoming nut-tree twig (nut-tree twig in flower):
- 38 the female flower
- 39 the male inflorescence (male flowers, catkin with the male flowers)
- 40 the imparipinnate leaf;
- 41 the fruit:
- 42 the pericarp (soft outer covering)
- 43 the walnut (nut), a stone fruit (drupe);
- 44-51 the hazel tree (nut tree), an anemophilous plant,
- 44 the blossoming hazel twig (hazel twig in flower):
- 45 the male catkin (lamb's-tail, male inflorescence)
- 46 the female inflorescence
- 47 the leaf bud;
- 48 the fruit-bearing twig (twig with fruit):
- 49 the hazel nut (nut, cob nut, filbert), a fruit
- 50 the husk (cupule)
- 51 the hazel leaf



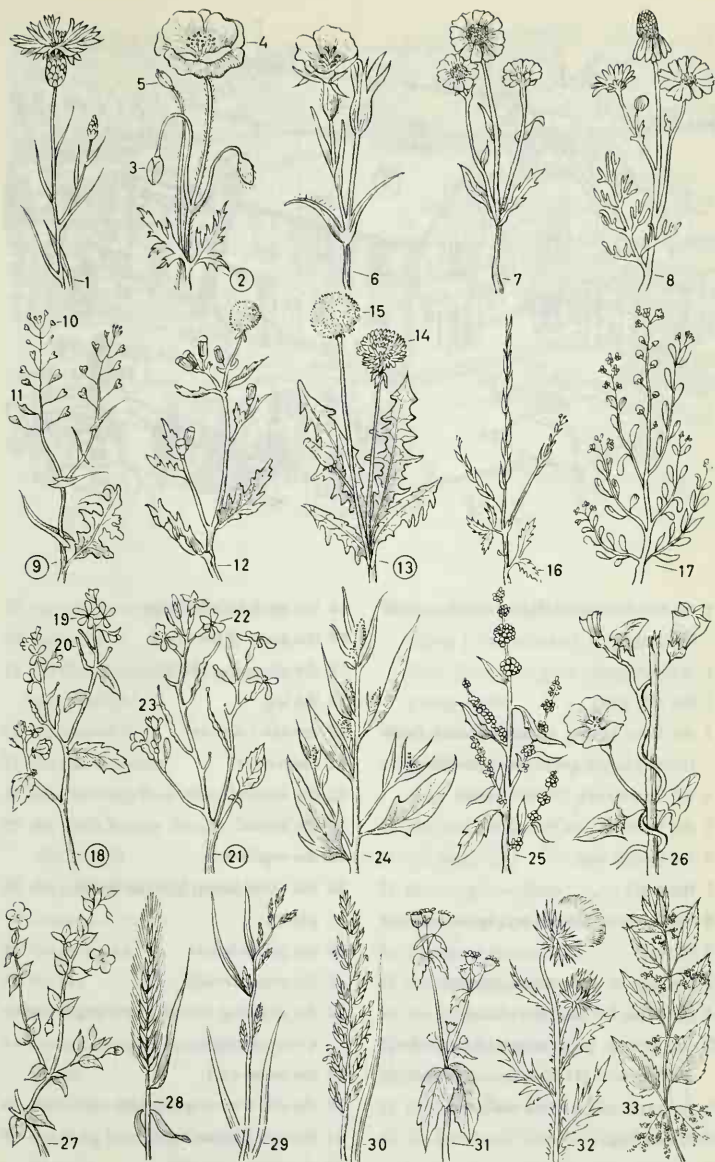
62 Garden Flowers

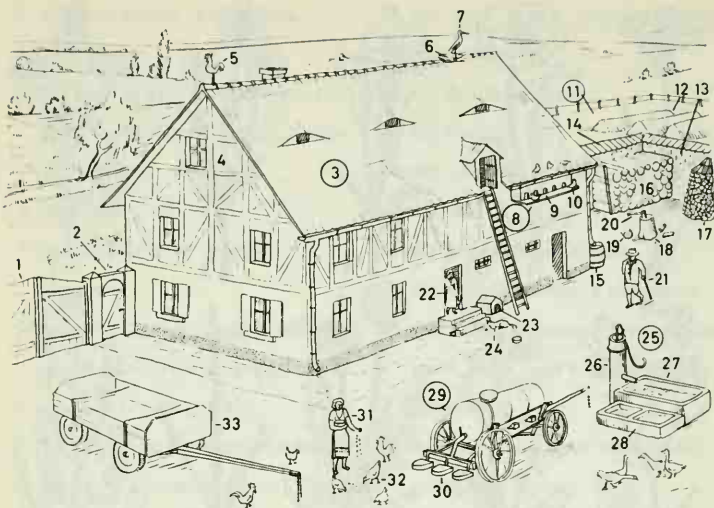
- 1 the snowdrop (snowflower)
- 2 the garden pansy (heart's-ease, heartsease, love-in-idleness), a pansy
- 3 the daffodil (trumpet narcissus, trumpet daffodil, Lent lily), a Narcissus
- 4 the white narcissus (pheasant's-eye lily); *sim.* polyanthus narcissus
- 5 the bleeding-heart (lyre flower), one of the Fumariaceae
- 6 the sweet-william (bunch pink), a carnation
- 7 the carnation (pink, gilly-flower)
- 8 the yellow iris (flag, sword-flag), an Iris
- 9 the tuberose
- 10 the common columbine (Aquilegia)
- 11 the gladiolus (*pop.* sword lily)
- 12 the white lily (madonna lily), a lily
- 13 the larkspur (Delphinium), one of the Ranunculaceae
- 14 the panicked phlox (paniculate phlox), a Phlox
- 15 the rose (monthly rose, China rose, Indian rose):
- 16 the rosebud, a bud
- 17 the double rose
- 18 the rose thorn, a thorn (spine);
- 19 the gaillardia
- 20 the French marigold
- 21 the love-lies-bleeding (love-lies-a-bleeding, amaranth), an Amaranthus
- 22 the zinnia
- 23 the pompon dahlia, a Dahlia



63 Weeds

- 1 the corn flower (bluebottle),
a *Centaurea*
- 2 the corn poppy (field poppy, red
weed, common red poppy), a pop-
py (*Papaver*):
- 3 the bud
- 4 the poppy flower (poppy
blossom)
- 5 the seed capsule (poppy capsule,
poppy head) with the poppy seed;
- 6 the corn cockle (cockle)
- 7 the yellow ox-eye daisy (corn ma-
rigold), a *Chrysanthemum*
- 8 the corn camomile or chamomile
(wild chamomile, mayweed)
- 9 the shepherd's-purse:
- 10 the flower (blossom)
- 11 the fruit (pouch-shaped pod);
- 12 the common groundsel
- 13 the dandelion (*dial.* pissabed);
sim. common dandelion, autumn
dandelion:
- 14 the capitulum (head)
- 15 the fruit;
- 16 the hedge mustard, a mustard
- 17 the alyssum (sweet alison)
- 18 the charlock (wild mustard):
- 19 the flower (blossom)
- 20 the fruit, a pod (*siliqua*);
- 21 the wild radish (runch, jointed
charlock):
- 22 the flower (blossom)
- 23 the fruit (pod);
- 24 the common orach (common
orache)
- 25 the goose-foot (fat-hen)
- 26 the field bindweed, a bindweed
- 27 the scarlet pimpernel (red chick-
weed, poor man's weather glass,
pimpernel)
- 28 the wall barley (way bent, barley
grass, wild barley)
- 29 the perennial rye grass (red dar-
nel)
- 30 the couch (couch grass, quitch,
twitch, quitch grass, creeping
wheat-grass); *sim.* dog's tooth
grass (foxtail, dog grass, dog's
grass), bent-grass, sea wheat-grass
- 31 the galinsoga
- 32 the creeping thistle (corn thistle),
a thistle
- 33 the stinging nettle, a nettle

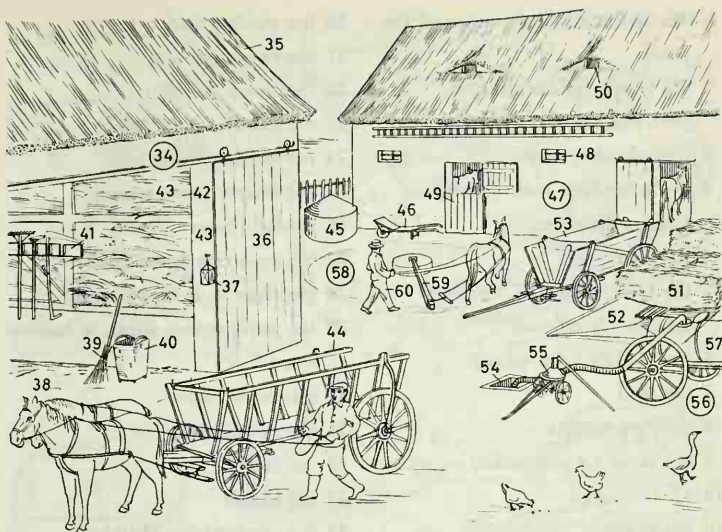




1-60 the farmstead (farm; *smaller* : small holding):

- 1 the yard gate
- 2 the side gate
- 3 the farm house, a half-timbered (half-timber) house (*Am.* frame building):
- 4 the framework (timber frame)
- 5 the weathercock (vane)
- 6 the stork's nest:
- 7 the stork;
- 8 the dovecot (dovecote, pigeon house):
- 9 the exit
- 10 the pigeon, a domestic pigeon;
- 11 the place for pits (for clamps):
- 12 the potato pit (potato clamp); *sim.* fodder roots pit (fodder roots clamp);
- 13 the yard wall, a brick wall:
- 14 the coping;
- 15 the rain-water butt

- 16 the stack (pile) of logs
- 17 the stack of firewood
- 18 the chopping block
- 19 the log
- 20 the axe (*Am.* ax)
- 21 the farmer
- 22 the farmer's wife
- 23 the kennel
- 24 the watch-dog
- 25 the water pump (spring-water pump):
- 26 the pump barrel
- 27 the water trough
- 28 the drinking trough (watering trough), a stone trough;
- 29 the water-cart:
- 30 the self-watering trough;
- 31 the girl (farmer's girl)
- 32 the poultry (fowls)



33 the rubber-wheeled farm-cart;

34 the barn;

35 the thatched roof; *here* : straw roof;
sim. reed roof

36 the barn-door

37 the stable lantern

38 the threshing floor

39 the birch broom (*besom*,
Am. brush)

40 the pannier (*dosser*), a wicker
basket

41 the tool-rack

42 the bay

43 the corn;

44 the harvesting-wagon, a rack
wagon

45 the fodder silo (*silo*)

46 the dung barrow (*manure*
barrow)

47 the stables (*stabling*); *kinds* : stable,
pigsty (*Am.* hogshed, hog pen), cow-
shed, sheep pen, goat pen, shed for
young cattle:

48 the stable window

49 the divided door (*hatch*), a stable
door

50 the roof window;

51 the dung-heap

52 the dung-heap floor

53 the dung-cart, a box cart

54 the liquid-manure pit

55 the liquid-manure pump

56 the liquid-manure cart

57 the liquid-manure tank

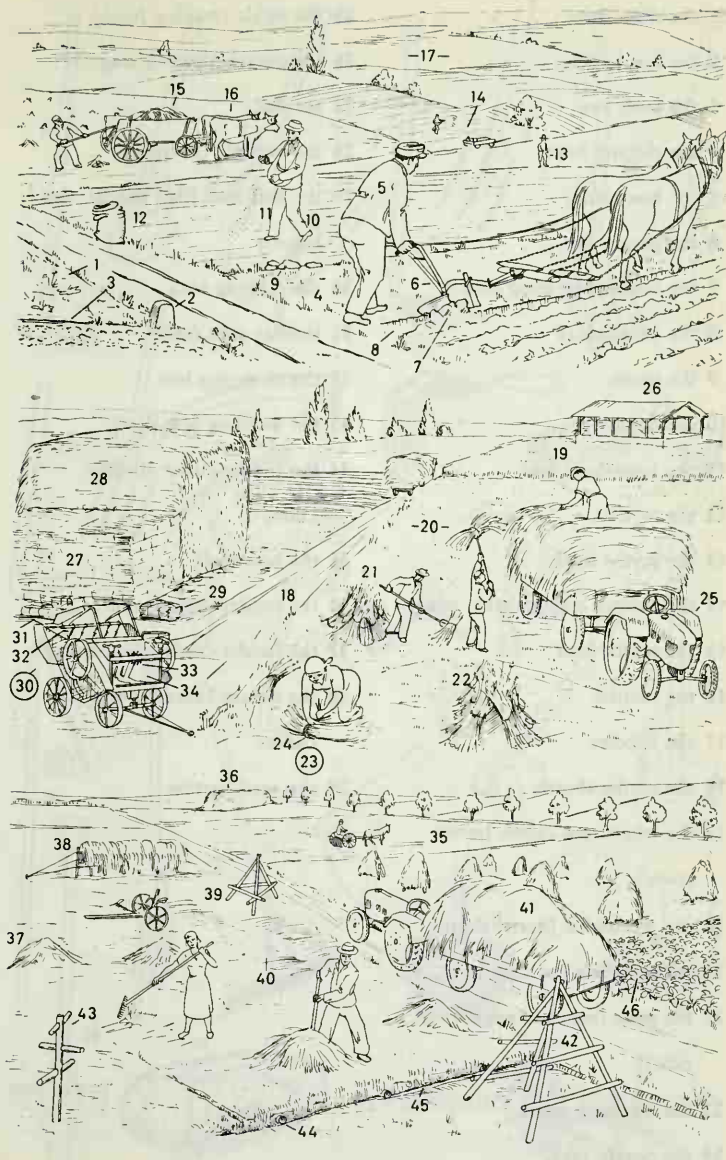
58 the horse-gear:

59 the pole of the horse-gear;

60 the farmhand (*farm labourer*, *Am.* farm
laborer; farmer's man)

65 Agriculture (Farming)

- 1-46 field work (cultivation of the land):
- 1 the fallow (fallow ground, *Am.* bad land)
 - 2 the boundary stone
 - 3 the boundary balk (baulk) or ridge, a balk (balk)
 - 4 the field
 - 5 the farm labourer (*Am.* farm laborer; farmhand)
 - 6 the plough (*Am.* plow)
 - 7 the clod
 - 8 the furrow slice
 - 9 the stone (*Am.* boulder)
 - 10-12 sowing:
 - 10 the sower
 - 11 the seed lip
 - 12 the seed corn (seed);
 - 13 the field guard
 - 14 the artificial manure (fertilizer, *Am.* synthetic fertilizer); *kinds*:
potassic (kali) manure, phosphatic manure, lime manure, nitrogenous manure
 - 15 the load of dung (*Am.* dungload; stable dung, dung)
 - 16 the ox team (*Am.* span of oxen)
 - 17 the fields (stretch of open country)
 - 18 the farm road (accommodation road, drift, *Am.* dustroad)
 - 19-24 the harvest (harvest of corn, harvest of grain):
 - 19 the cornfield; *kinds*: rye field, wheat field, barley field, oat field
 - 20 the stubble field
 - 21 the shock (stook)
 - 22 the shock (stook)
 - 23 the sheaf (corn sheaf):
 - 24 the sheaf tie band;
 - 25 the tractor (farm tractor)
 - 26 the field barn
 - 27 the corn rick (corn stack)
 - 28 the straw rick (straw stack)
 - 29 the compressed straw, a bale of straw
 - 30 the straw baler:
 - 31 the straw intake
 - 32 the feeder
 - 33 the binder
 - 34 the compression chamber;
 - 35-43 the hay harvest (haymaking, *Am.* haying season); *the second hay harvest*: second hay crop (aftermath, *Am.* rowen):
 - 35 the meadow (hayfield)
 - 36 the haystack (hayrick, hay mow)
 - 37 the haycock
 - 38 the hay fence
 - 39 the hay tripod
 - 40 the hay swath (hay swathe, windrow)
 - 41 the hay trailer
 - 42 the hay prop
 - 43 the quadrupod;
 - 44 the tile drain
 - 45 the drainage ditch
 - 46 the field of beet



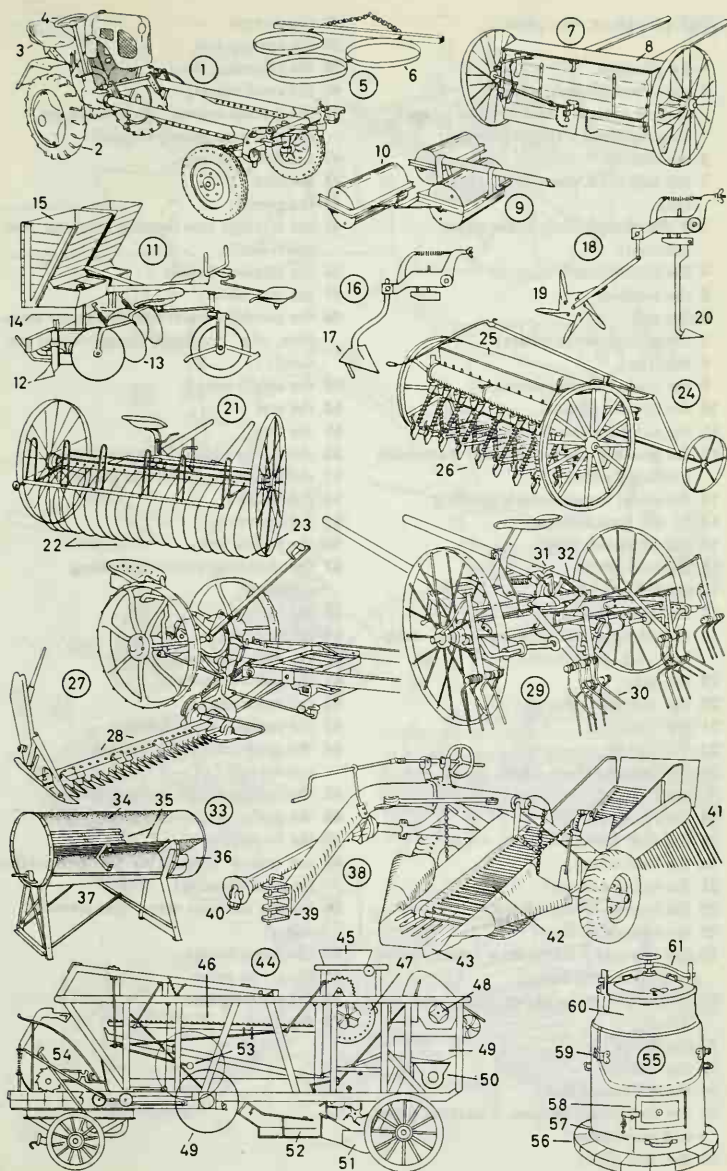
66 Farmer's Tools (Farm Equipment)

- | | |
|---|--|
| 1 the draw hoe: | 25 the sickle (reaping hook) |
| 2 the hoe handle; | 26 the potato-planting trug |
| 3 the push hoe | 27 the flail: |
| 4 the ridging hoe: | 28 the swingle (swipple) |
| 5 the hoe blade; | 29 the flail staff (flail handle, flail
helve); |
| 6 the potato hoe | 30 the digging fork |
| 7 the three-tined dung fork | 31 the hay rake (rake) |
| 8 the potato fork | 32 the chopping hoe |
| 9 the spade | 33 the weeding hoe (hoe) |
| 10 the dung hoe | 34 the fodder-cutter (fodder
knife) |
| 11 the four-tined fork | 35 the beet-lifter |
| 12 the scythe: | 36 the fodder-cutting roller |
| 13 the scythe blade | 37 the fodder-cutting foot iron |
| 14 the cutting edge (scythe edge) | 38 the potato basket, a wire
basket |
| 15 the scythe heel | 39 the seed barrow |
| 16 the snaithe | |
| 17 the handle; | |
| 18 the scythe sheath | |
| 19 the whetstone (hone, hone
stone) | |
| 20 the whetstone (hone) sheath | |
| 21 the whetting hammer: | |
| 22 the pane (hammer edge, peen,
pein); | |
| 23 the whetting anvil | |
| 24 the potato rake | |



67 Agricultural Machines I

- 1 the all-purpose tractor, a self-contained tractor:
- 2 the tractor tyre (*Am.* off-the-road tire)
- 3 the sprung seat
- 4 the steering wheel;
- 5 the clod-crusher:
- 6 the crushing ring;
- 7 the dung-spreader (manure-broadcaster, manure-distributor, muck-spreader); *sim.* broadcast sowing machine (broadcast seeder):
- 8 the spreading box;
- 9 the land roller:
- 10 the roller;
- 11 the potato-planter:
- 12 the coulter
- 13 the furrow-closer
- 14 the potato delivery spout
- 15 the potato hopper;
- 16 the hoeing implement:
- 17 the hoe blade;
- 18 the dibbler:
- 19 the dibbler star
- 20 the fore-blade;
- 21 the hay rake:
- 22 the tines
- 23 the rake tine;
- 24 the seed drill (drill, seeder):
- 25 the seed box
- 26 the coulter (colter);
- 27 the mower (mowing machine):
- 28 the cutter bar;
- 29 the tedder (tedding machine):
- 30 the rake arm
- 31 the foot brake
- 32 the helical (spiral) tension spring;
- 33 the root-cleaner with root-cutter:
- 34 the hopper
- 35 the cleaning bars
- 36 the cutting drum
- 37 the cleaning drum;
- 38 the elevator potato-digger (potato-harvester), a potato-raiser; *sim.* beet-digger (beet-harvester, beet-lifter):
- 39 the drawbar, connection
- 40 the power take-off connection
- 41 the delivery chute
- 42 the screen apron
- 43 the potato scoop;
- 44 the threshing machine (thresher):
- 45 the self-feeder
- 46 the shaker
- 47 the drum
- 48 the awner (hummeller, *Am.* hummeler, barley-bearder)
- 49 the dresser
- 50 the winnower
- 51 the elevator
- 52 the cavings spout
- 53 the shaker shaft
- 54 the straw press;
- 55 the fodder-steamer:
- 56 the jacket base
- 57 the ash box
- 58 the firebox door
- 59 the swing frame
- 60 the tilting boiler
- 61 the screw closure door

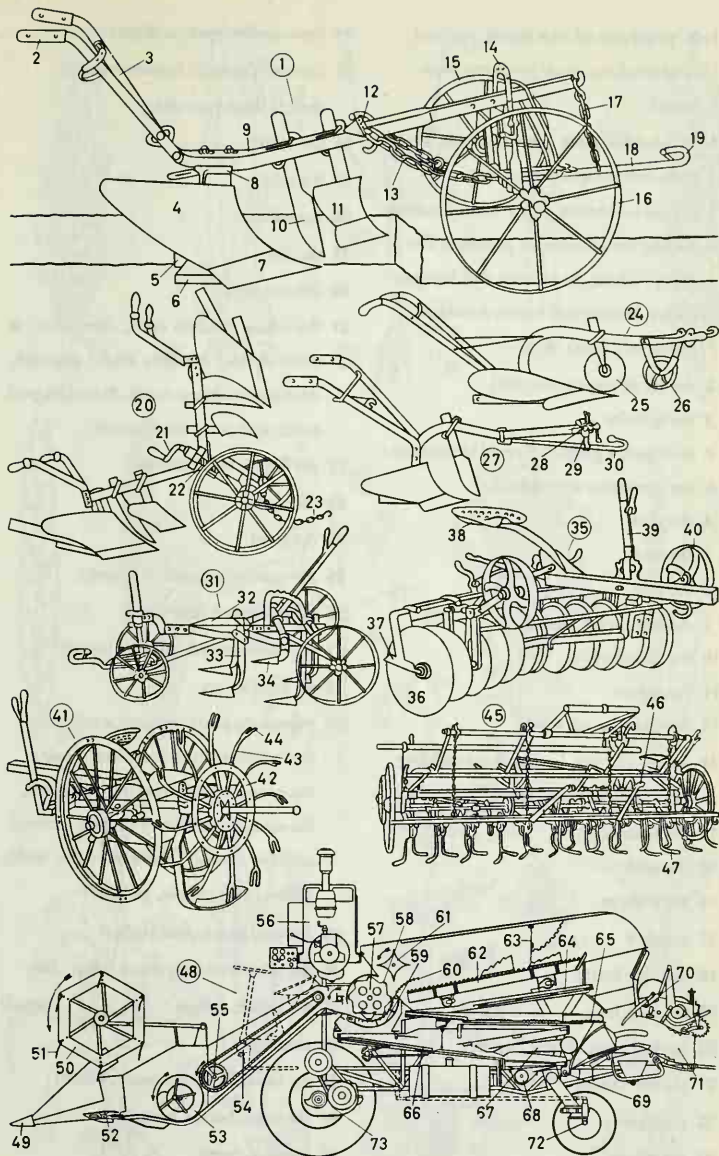


Engl. plough = Am. plow

1-34 ploughs,

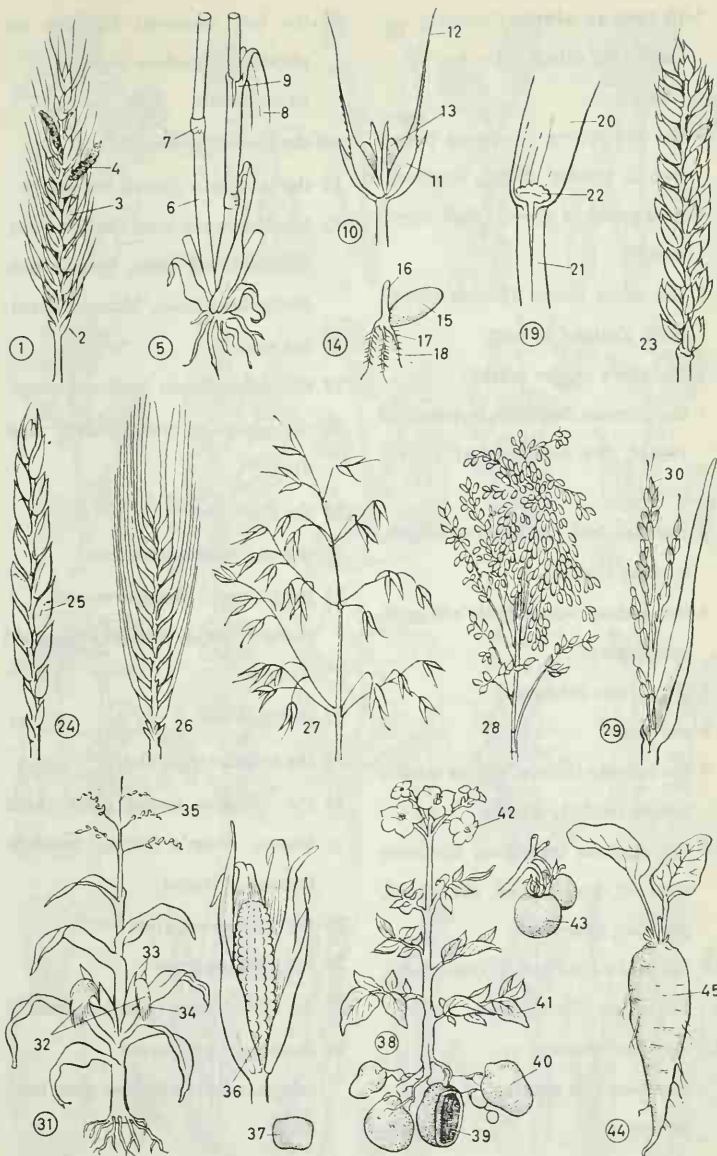
- 1 the wheel plough, a single-furrow plough; *kinds*: wheel plough, ridging plough (ridge plough):
- 2 the handle
- 3 the stilt (*Am. plow neck, plow tail*)
- 4-8 the plough body (*Am. plow bottom*):
- 4 the mouldboard
- 5 the landside
- 6 the sole
- 7 the plough share (share)
- 8 the frog;
- 9 the beam (plough beam)
- 10 the coulter (colter)
- 11 the skim coulter (skim colter)
- 12 the guiding cross piece for automatic guiding by chain
- 13 the chain for automatic guiding
- 14-19 the forecarriage:
- 14 the adjustable bow
- 15 the land wheel
- 16 the furrow wheel
- 17 the hake chain
- 18 the draught beam (draw beam, draw-bar, *Am. draft beam*)
- 19 the hake;
- 20 the one-way plough:
- 21 the crank
- 22 the spindle
- 23 the draught chain (draw chain, *Am. draft chain*);
- 24 the swing plough:
- 25 the disk (disc) coulter
- 26 the land wheel;
- 27 the swing plough:
- 28 the furrow-width adjuster
- 29 the adjustable bar
- 30 the draught beam (draw beam, draw-bar, *Am. draft beam*);
- 31 the cultivator (grubber, *Am. lister*):
- 32 the frame
- 33 the carrier
- 34 the ducksfoot tine;
- 35 the disk (disc) harrow, a harrow (*Am. soil pulverizer*):
- 36 the disk (disc)

- 37 the scraper
- 38 the sprung seat
- 39 the adjusting lever
- 40 the road wheel;
- 41 the potato-spinner (potato-digger, spinner-type potato-digger):
- 42 the rotary wheel
- 43 the tine
- 44 the prong;
- 45 the steorage hoe (hoeing machine, *Am. cultivator*):
- 46 the steering handle
- 47 the hoe blade;
- 48 the combine harvester (harvester combine, *Am. combine*) [longitudinal section]:
- 49 the swath board
- 50 the reel
- 51 the tine
- 52 the cutter bar and the ear-lifter
- 53 the auger feeder (screw auger)
- 54 the steering
- 55 the conveyor
- 56 the power unit
- 57 the threshing drum (threshing cylinder)
- 58 the beater
- 59 the concave
- 60 the grate (grating, grid)
- 61 the straw conveyor
- 62 the straw-shaker
- 63 the separator check flap
- 64 the grain conveyor (return conveyor)
- 65 the caving riddle (caving screen)
- 66 the grain collector
- 67 the winnower
- 68 the screw (auger) to the hummeller [second dressing]
- 69 the ear elevator screw (ear elevator auger)
- 70 the straw feeder
- 71 the straw press
- 72 the steering axle
- 73 the gear

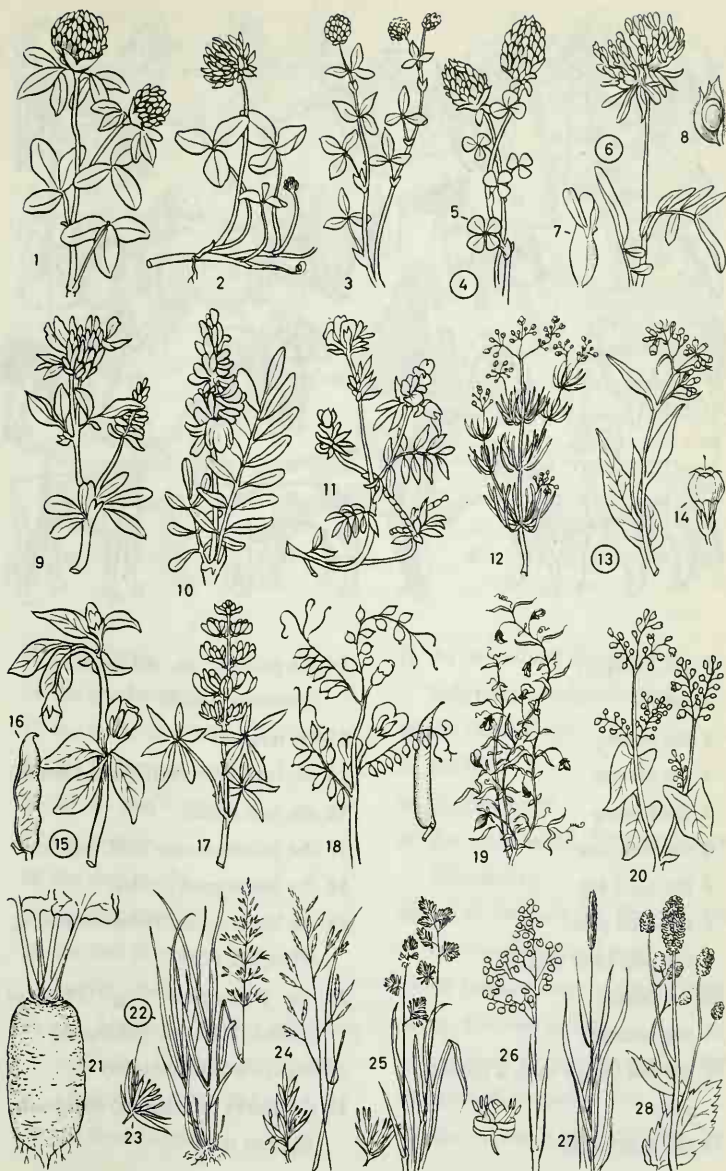


69 Field Produce

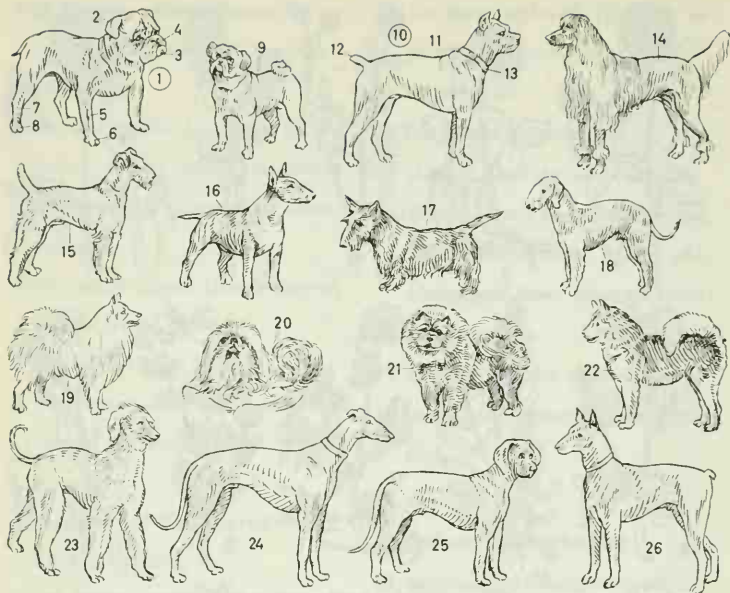
- 1-45 produce of the fields** (agricultural products, farm products, farm crops),
- 1-37 kinds of grain** (grain, cereals, bread corn, farinaceous plants, corn),
- 1** the rye (*also*: corn, 'corn' often meaning leading bread corn; in Northern Germany: wheat, in Sweden and Norway: barley, in Italy and North America: maize, in China: rice);
- 2** the ear of rye, a spike (ear)
- 3** the spikelet
- 4** the ergot, a grain deformed by a fungus;
- 5** the corn stem after tillering;
- 6** the stalk
- 7** the node
- 8** the leaf
- 9** the leaf sheath (sheath);
- 10** the spikelet;
- 11** the glume
- 12** the awn (beard, arista)
- 13** the seed (grain, kernel, flour-yielding grain, farinaceous grain);
- 14** the embryo plant;
- 15** the seed
- 16** the embryo
- 17** the root
- 18** the root hairs;
- 19** the corn leaf:
- 20** the leaf blade (blade, lamina)
- 21** the leaf sheath
- 22** the ligule;
- 23** the wheat
- 24** the common spelt or dinkel:
- 25** the seed (kernel); *immature*: green spelt, a soup vegetable;
- 26** the barley
- 27** the oats
- 28** the millet
- 29** the rice:
- 30** the rice grain;
- 31** the maize (Indian corn, *Am.* corn; *in South Africa*: mealies; *kinds*: popcorn, dent corn or horse-tooth, flint corn, pod corn, soft corn, sweet corn);
- 32** the female inflorescence
- 33** the husks
- 34** the pistil
- 35** the male inflorescence (tassel);
- 36** the maize cob (corn cob)
- 37** the maize kernel (grain of maize);
- 38-45** root crops,
- 38** the potato plant (potato), a tuberous (bulbiferous, bulbous) plant; *kinds*: the round, round-oval (pear-shaped), flat-oval, long, kidney-shaped, potato; *according to colour*: the white (*Am. Irish*), yellow, red, purple, potato;
- 39** the seed potato (seed tuber)
- 40** the potato tuber (potato, tuber; *fam.*
- 41** the potato foliage [spud]
- 42** the flower
- 43** the inedible potato berry, a fruit;
- 44** the sugar beet, a beetroot:
- 45** the root (beet)



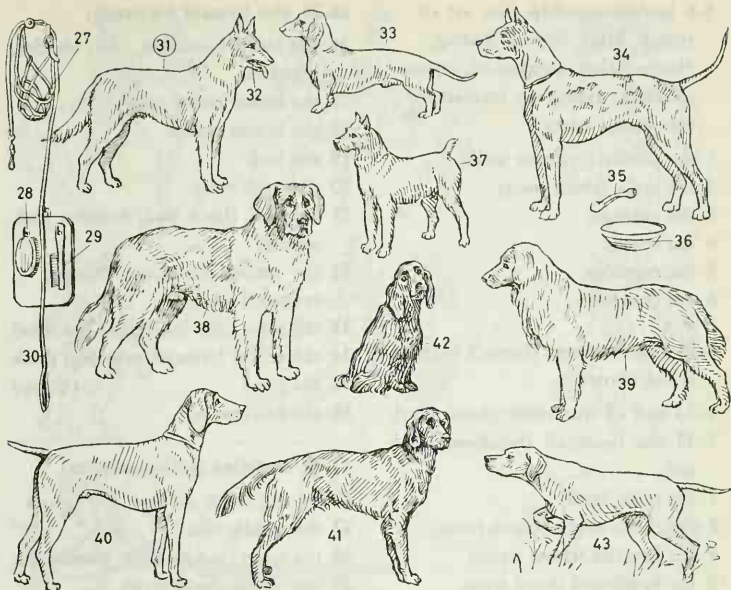
- 1-28 forage plants** (forage crops) for tillage (*Am.* for tilth):
 - 1 the red clover (common purple trefoil, fodder clover, single-cut cow grass), a clover (*Irish* sham-rock)
 - 2 the white clover (Dutch clover, New Zealand clover)
 - 3 the alsike clover (alsike)
 - 4 the crimson clover (flesh-coloured clover, *Am.* flesh-colored clover):
 - 5 the four-leaf (four-leaved clover, a 'lucky charm');
 - 6 the kidney vetch (lady's-fingers, ladyfinger):
 - 7 the flower (blossom)
 - 8 the pod;
 - 9 the lucerne (lucerne, purple medic, purple medick, alfalfa)
 - 10 the sainfoin (saintfoin, common sainfoin, cock's-head, cockshead, plantain, knapweed)
 - 11 the bird's-foot trefoil (bird-foot), one of the Ornithopoda
 - 12 the corn spurrey, (sandwort), a spurrey (spurry)
 - 13 the bog asphodel (English asphodel, Lancashire asphodel), an asphodel:
 - 14 the flower (blossom);
 - 15 the tick bean (broad bean); *sim.* English horse bean (coarse bean, Scotch horse bean, Scotch tick, Heligoland bean, Mazagai bean):
 - 16 the pod;
 - 17 the yellow lupin (yellow lupine)
 - 18 the common vetch (tare, tare-fitch)
 - 19 the chick pea
 - 20 the common buckwheat
 - 21 the mangold (mangel wurzel, mangel, field mangel, mangold wurzel)
 - 22 the wild oat:
 - 23 the spikelet (spicula);
 - 24 the meadow fescue grass (hard fescue, sheep's fescue, meadow fescue), a fescue
 - 25 the cocksfoot grass
 - 26 the quaking grass
 - 27 the foxtail grass (meadow foxtail)
 - 28 the scarlet pimpernel (shepherd's-clock, *form.* great burnet)



71 Breeds of Dogs



- | | |
|------------------------------------|---|
| 1 the bulldog: | 14 the poodle; <i>sim. and smaller</i> : |
| 2 the ear | miniature poodle |
| 3 the mouth | 15-18 terriers: |
| 4 the muzzle | 15 the fox terrier (wire-haired terrier) |
| 5 the foreleg | 16 the bull terrier |
| 6 the fore-paw | 17 the Scotch terrier (<i>coll.</i> Scottie) |
| 7 the hind leg | 18 the Bedlington terrier; |
| 8 the hind paw; | 19 the Pomeranian (Pomeranian dog, |
| 9 the pug (pug dog) | Spitz, <i>coll.</i> Pom) |
| 10 the boxer: | 20 the Pekin[g]ese dog (Pekinese |
| 11 the withers | spaniel, Pekinese, Pekingese) |
| 12 the tail (dog's tail), a docked | 21 the chow (chow-chow) |
| tail; | 22 the husky (malamute, malemute, |
| 13 the dog collar | Eskimo dog) |



- 23 the Afghan
 24 the greyhound
 25 the tracking hound
 26 the Doberman terrier
 27-30 the dog's outfit:
 27 the muzzle
 28 the dog brush
 29 the dog comb
 30 the lead (dog lead, leash), *in hunting* : leash;
 31 the Alsatian (Alsatian wolf-dog, wolf dog, German sheep-dog), a police and watch dog:
 32 the flews (chaps);
 33 the dachshund (badger dog, badgerer, a badger-baiter)
 34 the Great Dane
 35 the bone
 36 the dog bowl
 37 the wire-haired German terrier (schnauzer)
 38 the St. Bernard (St. Bernard dog)
 39 the Newfoundland dog
 40-43 hunting dogs (sporting dogs):
 40 the German pointer
 41 the setter (English setter), a setter
 42 the cocker spaniel
 43 the pointer, a tracking dog

72 The Horse I

1-6 horsemanship (the art of riding, High School Riding, Haute Ecole, equitation, equestrianism; riding on trained, or schooled, horses):

- 1 the piaffer (Spanish walk)
- 2 the walk (short pace)
- 3 the passage
- 4 the levade
- 5 the capriole
- 6 the courbette;

7-25 the harness (horse's harness, collar harness),

7-13 and 25 the bridle (head gear),
7-11 the headstall (headpiece, halter):

- 7 the nose band
- 8 the cheek straps (cheek piece)
- 9 the frontlet (brow band)
- 10 the headband (head strap, crown piece)
- 11 the throat latch (throat lash, throat band);
- 12 the curb chain
- 13 the curb bit;
- 14 the hook of the hame (*Am.* drag hook)
- 15 the horse collar (collar, hames), a pointed horse collar
- 16 the trappings (side trappings)
- 17 the pad (back pad, harness pad, saddle)
- 18 the belly band (girth)
- 19 the backband
- 20 the shaft chain
- 21 the shaft (thill, pole)
- 22 the trace
- 23 the second (emergency) belly band
- 24 the trace
- 25 the reins (driving reins, *Am.* line);

26-36 the breast harness:

- 26 the blinker (winker, *Am.* blinder, blinders)
- 27 the breast collar ring
- 28 the breast collar
- 29 the fork
- 30 the neck strap
- 31 the pad (back pad, harness pad, saddle)
- 32 the croup (croupon, croupe, crupper) strap
- 33 the reins (driving reins, *Am.* line)
- 34 the croup (croupe, crupper) dock
- 35 the trace { (loop)
- 36 the belly band;

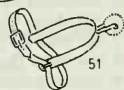
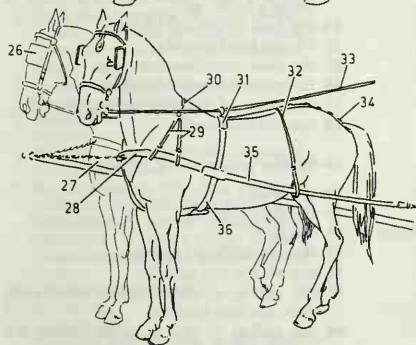
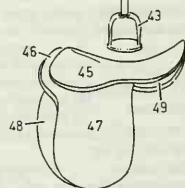
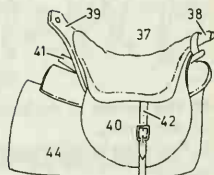
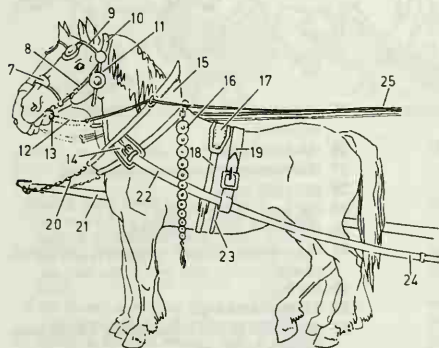
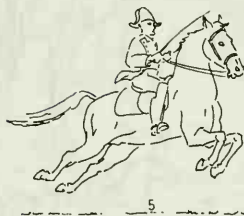
37-49 saddles (riding saddles),

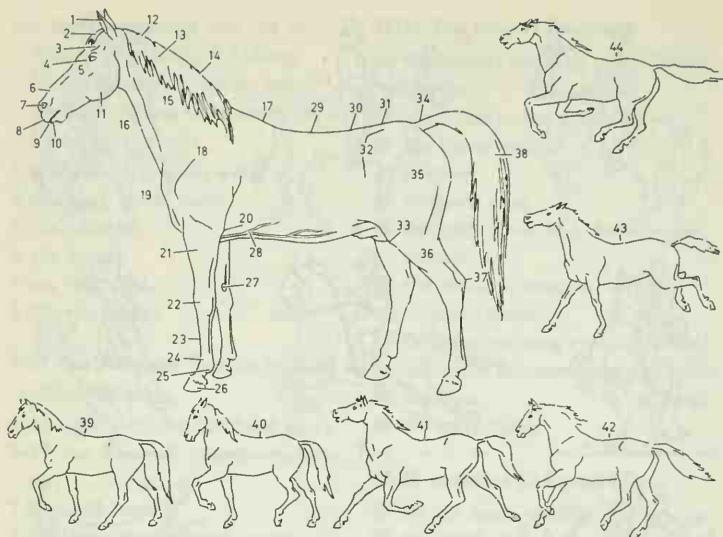
37-44 the stock saddle:

- 37 the saddle seat
- 38 the horn (saddle bow, pommel)
- 39 the cantle (hind bow)
- 40 the flap
- 41 the bars (parts of the saddle tree)
- 42 the stirrup leather (stirrup strap)
- 43 the stirrup (iron)
- 44 the saddle blanket (horse blanket);
- 45-49 the pad (pad saddle):
- 45 the seat
- 46 the pommel
- 47 the flap
- 48 the roll (knee roll)
- 49 the pad;

50 and 51 spurs with rowels:

- 50 the screwed jack spur
- 51 the strapped jack spur;
- 52 the port bit (port mouth, bit)
- 53 the gag bit (gag)
- 54 the curry comb
- 55 the horse brush (body brush)





1-38 the points of the horse (exterior of the horse),

1-11 the head (horse's head):

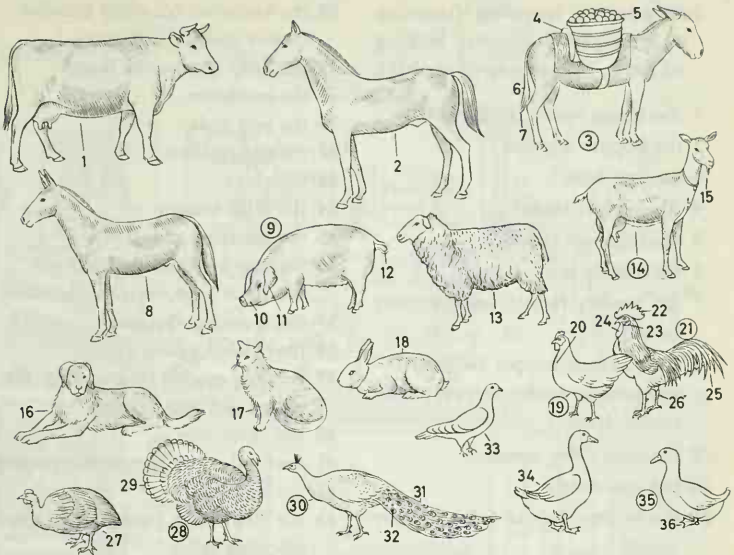
- 1 the ear
- 2 the forelock
- 3 the forehead
- 4 the eye
- 5 the face
- 6 10 the muzzle:
- 6 the nose
- 7 the nostril
- 8 the upper lip
- 9 the mouth
- 10 the under lip;
- 11 the lower jaw;
- 12 the crest (neck)
- 13 the mane (horse's mane)
- 14 the crest (horse's crest)
- 15 the neck
- 16 the throat (windpipe)
- 17 the withers
- 18-27 the fore hand:
- 18 the shoulder (shoulder blade)
- 19 the point of shoulder and chest (breast)
- 20 the elbow
- 21 the arm (forearm)
- 22-26 the forefoot (front foot):
- 22 the knee (carpus, wrist)
- 23 the cannon bone (cannon)
- 24 the fetlock (pastern joint)

25 the pastern (*coll. fetlock; the lowest part: coronet*)

- 26 the hoof (foot);
- 27 the chestnut (castor), a callosity;
- 28 the spur vein
- 29 the back (horseback)
- 30 the loins (lumbar region)
- 31 the croup (horse's croupe, crupper, rump)
- 32 the hip
- 33 37 the hind leg:
- 33 the stifle (stifle bone, horse's knee pan, horse's knee cap)
- 34 the root of the tail or dock
- 35 37 the hind quarter:
- 35 the quarters (haunch)
- 36 the gaskin (second thigh)
- 37 the point of the hock or hough;
- 38 the tail (horsetail);

39-44 the gaits of the horse:

- 39 the walk
- 40 the pace (amble)
- 41 the trot
- 42 the canter (hand gallop)
- 43 and 44 the full gallop:
- 43 the gallop at the moment of descent onto the two forefeet
- 44 the gallop at the moment when the four feet are off the ground



Abbr.: *m.* = male, *c.* = castrated,
f. = female, *y.* = the young animal.

1 and 2 great cattle (*Am.* stock):

1 the cow (*f.*), a bovine animal, a horned animal, a ruminant; *meat*: beef; *m.* bull (*y.* and *c.* bullock); *c.* ox; *f.* cow; *y.* calf (*m.* bull calf, *f.* cow calf, heifer); *meat*: veal

2 the horse; *m.* stallion (sire, stud horse); *c.* gelder (gelding); *f.* mare (*as a mother*: dam); *y.* foal (*m. usually*: colt, *f.* filly);

3 the donkey (domestic ass, *Scotch* cuddie, cuddie); *m.* he-ass (jackass); *f.* she-ass (jenny-ass); *as a beast of burden* (*sumpter animal*): packass; *y.* ass foal:

4 the pack saddle (carrying saddle)

5 the pack (burden, load)

6 the tufted tail

7 the tuft;

8 the mule, a hybrid (cross) between a male ass and a mare

9 the domestic pig (pig, hog, swine), a bristle-bearing (setiferous) animal, a cloven-hoofed animal (artiodactyl); *meat*: pork; *m.* boar; *c.* hog; *f.* sow; *y.* piglet (sucking pig; *older, Am.* shote, shoat);

10 the pig's snout (snout)

11 the pig's ear

12 the curly tail;

13 the sheep; *meat*: mutton; *m.* ram (tup); *c.* wether; *f.* ewe; *y.* lamb

14 the goat;

15 the goat's beard;

16 the domestic dog, a Leonberg; *m.* dog; *f.* bitch (she-dog, lady-dog); *y.* pup (puppy, whelp)

17 the cat (puss, pussy-cat, domestic cat), an Angora (Persian) cat; *m.* tom (tom cat); *y.* kitten

18-36 small domestic animals:

18 the domestic (tame) rabbit; *m.* buck; *f.* doe; *y.* baby rabbit

19-36 fowls (poultry),

19-26 chicken (domestic fowl),

19 the hen;

20 the crop (craw);

21 the cock (*Am.* rooster); *y.* cockerel; *c.* capon;

22 the comb (cockscorn, crest, caruncle)

23 the lappet (ear lobe)

24 the wattle (gill, dewlap)

25 the sickle-shaped tail (cock's tail)

26 the spur;

27 the guinea fowl; *f.* guinea-hen (pearl hen)

28 the turkey cock (gobbler); *f.* turkey hen;

29 the fan tail;

30 the peacock; *f.* peahen;

31 the peacock's feather

32 the eye (eyelet, ocellus, ocellate spot);

33 the domestic pigeon (dove); *m.* cock pigeon; *y.* squaker (squab)

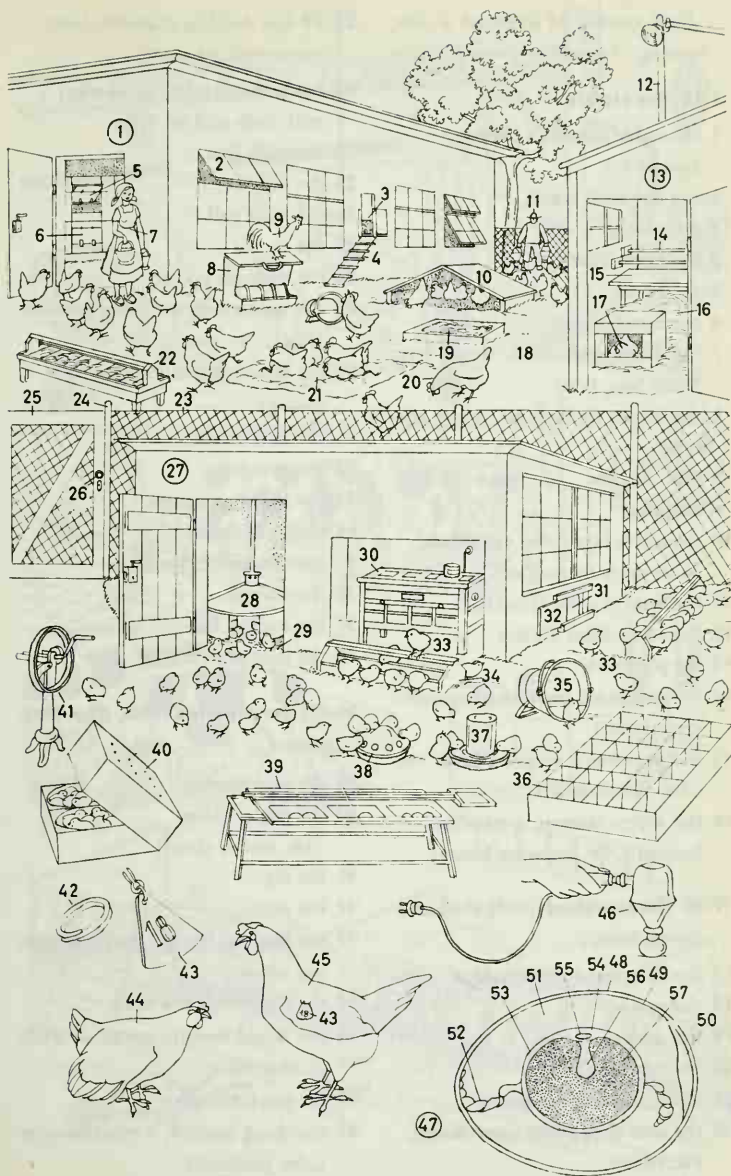
34 the domestic goose; *m.* gander; *y.* gosling

35 the domestic duck; *m.* drake; *y.* duckling;

36 the web of the webbed foot

75 The Poultry Farm

- 1-46 poultry farming** (breeding and rearing of poultry, keeping of fowls, *Am.* raising of poultry),
- 1 the laying house (laying shed);
 - 2 the hopper window
 - 3 the pop hole
 - 4 the chicken ladder
 - 5 the trap-nest stand
 - 6 the nesting box;
 - 7 the poultry farmer (*Am.* poultry raiser)
 - 8 the self-feed hopper (automatic poultry feeder, hopper, self-feeder, feeder)
 - 9 the cock (*Am.* rooster)
 - 10 the sun shelter
 - 11 the poultry farmer (*Am.* poultry raiser)
 - 12 the lamp post
 - 13 the hen house (poultry house):
 - 14 the perch
 - 15 the dropping board
 - 16 the scratching ground (scratching space);
 - 17 the broody hen (sitting hen)
 - 18 the chicken run (poultry yard, *Am.* chicken yard, chicken run)
 - 19 the green-stuff silo or silage
 - 20 the hen (*loosely* chicken)
 - 21 the dust bath
 - 22 the trough for dry food
 - 23 the wire netting
 - 24 the post
 - 25 the wire gate
 - 26 the automatic door catch (door lock, self-locking catch)
 - 27 the brooder house:
 - 28 the canopied (cowled) brooder (foster mother)
 - 29 the litter (peat-moss litter)
 - 30 the incubator
 - 31 the pop hole
 - 32 the sliding door;
 - 33 the chick
 - 34 the chick trough
 - 35 the watering pail
 - 36 the egg carton (egg box) for transport (*Am.* for transportation)
 - 37 the watering trough
 - 38 the chick hopper
 - 39 the egg-grader (egg-sorting machine) and egg-weigher
 - 40 the chick box
 - 41 the food-cutter (green-stuff cutter)
 - 42 the leg ring
 - 43 the fowl tally (wing tally, identification tally)
 - 44 the bantam
 - 45 the laying hen
 - 46 the ovoscope (egg-testing lamp, egg-tester, egg lamp);
 - 47 **the hen's egg** (egg):
 - 48 the egg shell, an egg integument
 - 49 the shell membrane (skin, membrana putaminis)
 - 50 the air space
 - 51 the albumen (white of egg)
 - 52 the chalaza (albuminous substance)
 - 53 the vitelline membrane (yolk sac, yolk bag)
 - 54 the germinal disk or disc (blastodisc, blastoderm, cock's tread, cock's treadle)
 - 55 the germinal vesicle (cicatricula, cicatrice, cicaticule)
 - 56 the white
 - 57 the yolk



76 Rearing of Livestock

Engl. rearing of livestock = *Am.*
raising of stock

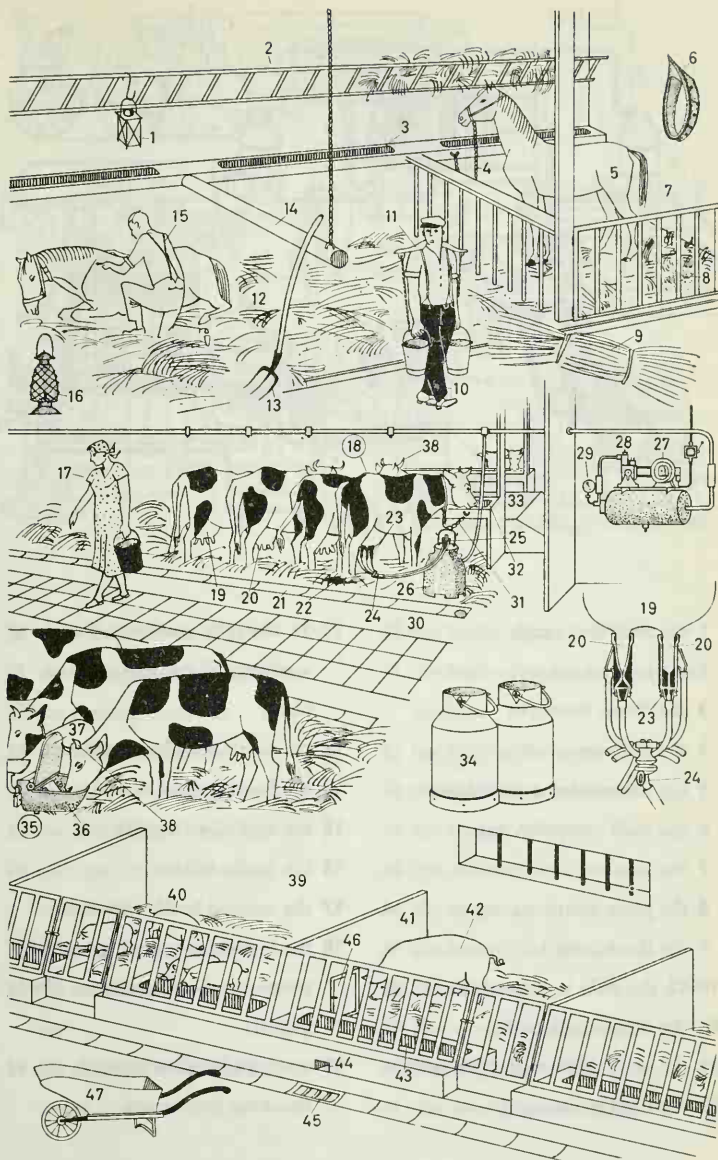
1-16 the stable:

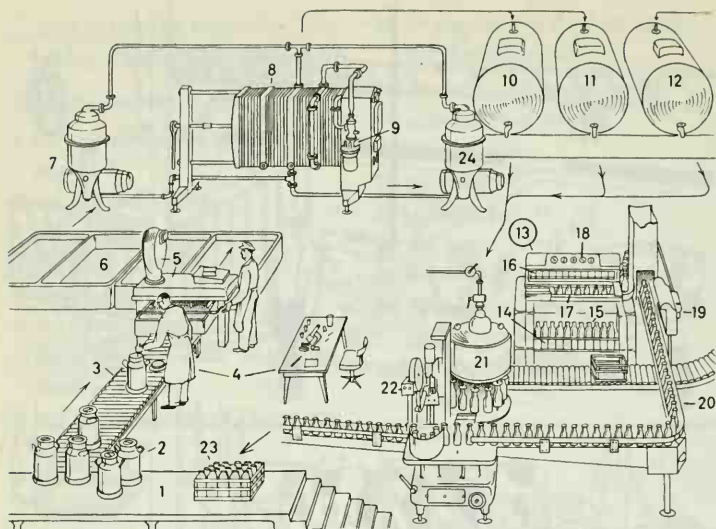
- 1 the stable lantern, a hand lantern
- 2 the hay rack (rack)
- 3 the manger
- 4 the horse chain
- 5 the horse
- 6 the horse collar
- 7 the horse stall (stall, single box, horse box, box)
- 8 the horse droppings (horse manure)
- 9 the bundle of straw (straw bundle)
- 10 the stable boy (*Am.* cattleman, *on the range* : wrangler)
- 11 the bucket yoke (yoke)
- 12 the straw litter (litter)
- 13 the pitchfork
- 14 the suspended cross bar (suspended cross beam)
- 15 the veterinary surgeon (*pop.* vet, *Am.* veterinarian)
- 16 the storm lantern, a paraffin lantern (*Am.* kerosene lamp);
- 17-38 the cowshed** (cattle shed, cow house, byre):
- 17 the dairymaid (milkmaid)
- 18 the cow:
- 19 the udder
- 20 the teat;
- 21 the liquid-manure gutter
- 22 the cow droppings (cow dung), excrement

- 23-29 the milking machine (automatic milking plant):
- 23 the teat cup (teat cup cluster) with milk and air tube
- 24 the milk line
- 25 the pulsator
- 26 the milk pail
- 27 the motor
- 28 the vacuum pump
- 29 the vacuum gauge (*Am.* vacuum gage);
- 30 the cleaning and milking passage
- 31 the cow chain
- 32 the manger
- 33 the feeding passage
- 34 the milk churn
- 35 the automatic trough:
- 36 the trough
- 37 the trough lid;
- 38 the cow horn;

39-47 the pigsties (sties, *Am.* hog-pen):

- 39 the piglet creep
- 40 the piglet (*older*, *Am.* shote, shoat)
- 41 the sty
- 42 the sow
- 43 the feeding trough (swill trough, pig trough)
- 44 the liquid-manure drain
- 45 the liquid-manure gutter or gully or channel
- 46 the pig creep door
- 47 the dung barrow, a wheelbarrow (*Am.* pushcart)





1 the receiving ramp

2 the milk churn

3 the churn conveyor

4 the milk reception

5 the illuminated milk balance

6 the milk reception vat

7 the strainer

8 the plate-heater

9 the thermostat

10-12 the milk storage tanks:

10 the whole milk tank

11 the skim (skimmed) milk tank

12 the buttermilk tank;

13-22 the fully automatic bottle-washing, filling, and capping, plant,

13 the bottle-washing machine:

14 the loading shelf

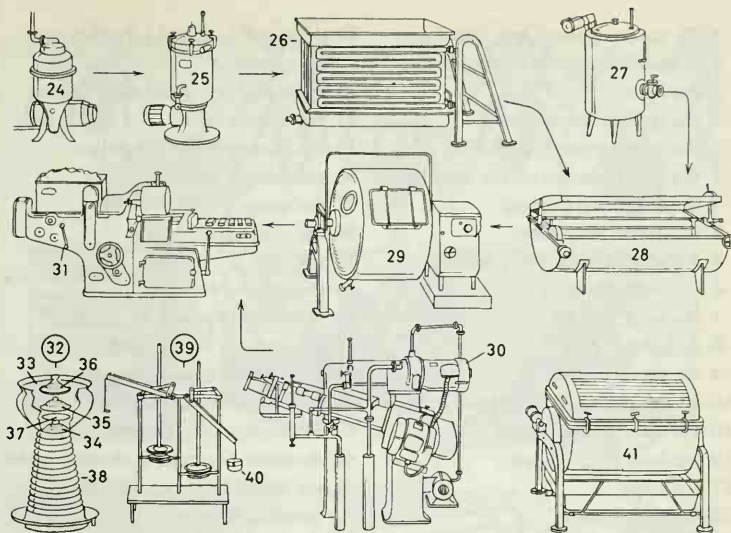
15 the unwashed bottles

16 the bottle-holder

17 the washed-bottle extractor

18 the instrument panel (gauges for temperature and pressure, *Am.* gages);

19 the transilluminating and checking instrument



20 the bottle conveyor belt

21 the filling machine

22 the closing machine;

23 the milk-bottle crate

24 the cream-separator

25 the centrifugal cream-heater

26 the cream-cooler, a solid
cooler

27 the acidifying apparatus

28 the cream-maturing
vat

29 the churn, a churn for sour-
cream butter

30 the butter churn

31 the butter-shaping and packing
machine

32 the fresh-milk cooler:

33 the supply can [section]

34 the fine sieve

35 the medium sieve

36 the coarse sieve

37 the cotton disk or disc

38 the cooler;

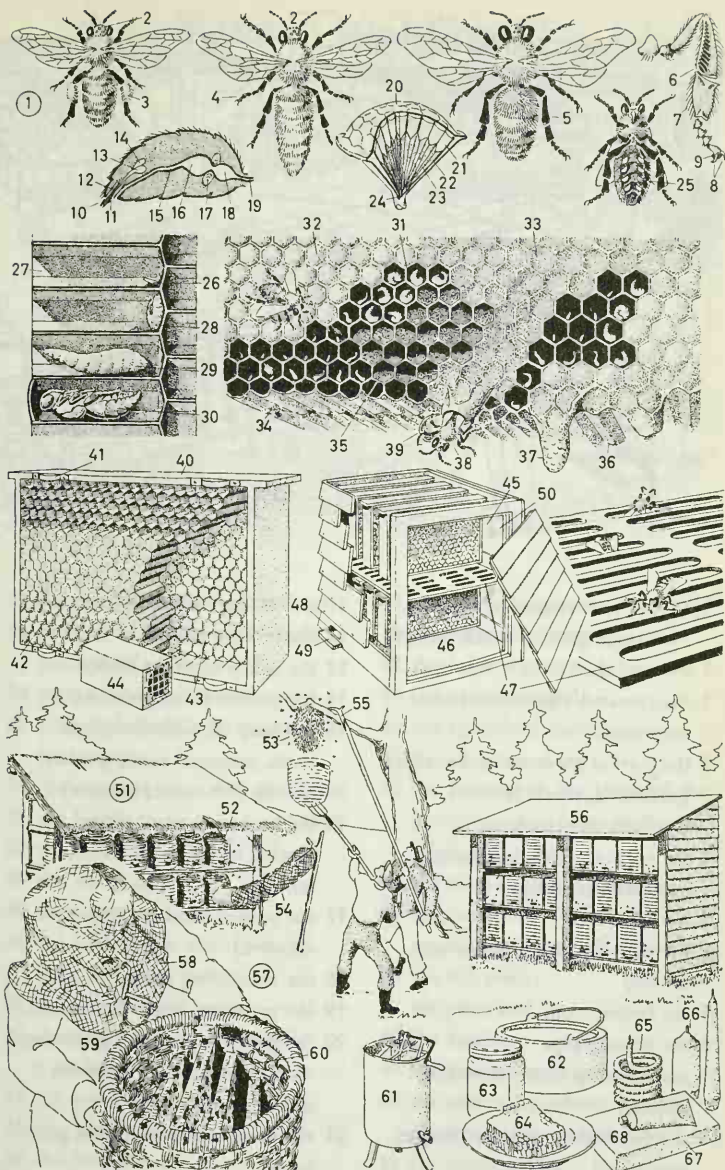
39 the screw cheese-press:

40 the weights;

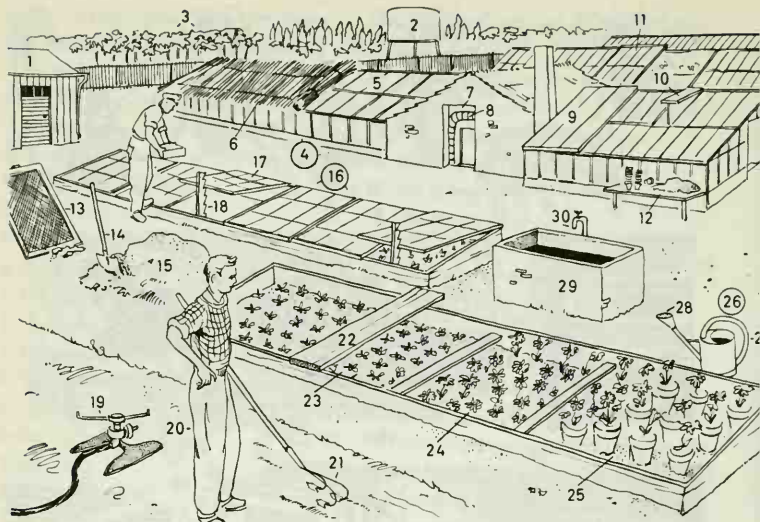
41 the cream-cheese machine

78 Bees and Beekeeping (Bee Culture, Apiculture)

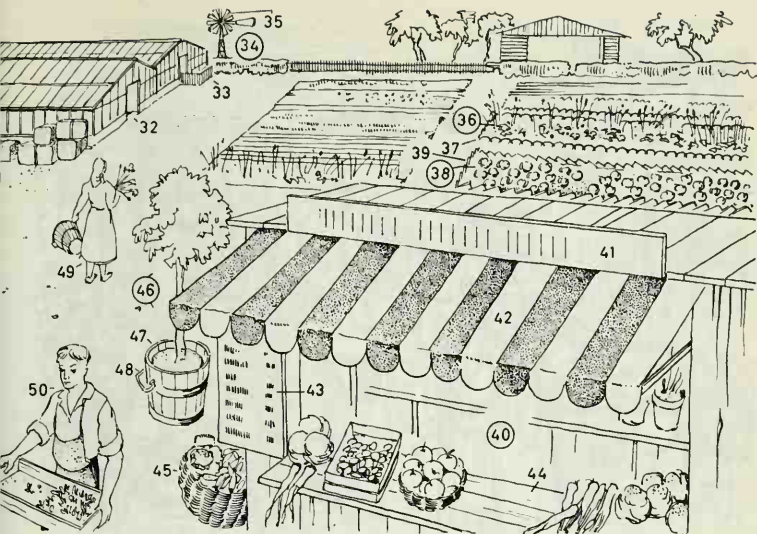
- 1-25 the bee (honey-bee, hive-bee),
 - 1, 4, and 5 the social classes among the bees,
 - 1 the worker (female bee);
 - 2 the three simple eyes (ocelli)
 - 3 the load of pollen on the hind leg;
 - 4 the queen bee (queen)
 - 5 the drone (male bee);
 - 6-9 the left hind leg of a worker:
 - 6 the pollen-basket
 - 7 the hairs
 - 8 the double claw
 - 9 the suctorial pad; { worker,
 - 10-19 the abdomen (hind body) of the
 - 10-14 the stinging organs:
 - 10 the barb (barbed dart)
 - 11 the sting
 - 12 the sting sheath
 - 13 the poison sac
 - 14 the poison gland;
 - 15-19 the stomachic-intestinal canal:
 - 15 the intestine
 - 16 the stomach
 - 17 the contractile muscle or tissue
 - 18 the honey bag
 - 19 the oesophagus (esophagus, gullet);
 - 20-24 the compound eye (insect eye):
 - 20 the facet
 - 21 the crystal cone
 - 22 the sensitive section
 - 23 the fibre (*Am.* fiber) of the visual
 - 24 the visual (optic) nerve; { nerve
 - 25 the small wax scale;
 - 26-30 the cell (bee cell):
 - 26 the egg
 - 27 the cell with egg in it
 - 28 the maggot-like larva
 - 29 the larva
 - 30 the pupa;
 - 31-43 the honeycomb:
 - 31 the brood cell
 - 32 the capped (closed, covered) cell with pupa
 - 33 the sealed cell with honey (honey
 - 34 the worker cells { cell)
 - 35 the storage cells with pollen
 - 36 the drones' cells
 - 37 the queen's cell
 - 38 the queen emerging
 - 39 the cap
 - 40 the frame
 - 41 the distance piece
 - 42 the artificial honeycomb
 - 43 the pressed-in comb foundation;
 - 44 the queen's transport box
 - 45-50 the wooden beehive:
 - 45 the super-hive with the honeycombs
 - 46 the brood chamber with the breeding combs
 - 47 the queen-excluder
 - 48 the entrance
 - 49 the flight (alighting) board
 - 50 the window;
 - 51 an old-fashioned bee shed:
 - 52 the straw hive (skeep, skip);
 - 53 the swarm of bees
 - 54 the swarming net
 - 55 the hooked pole
 - 56 a modern apiary (bee house)
 - 57 the beekeeper (apiarist, bee man):
 - 58 the bee veil
 - 59 the bee smoker;
 - 60 the natural honeycomb { rator)
 - 61 the honey extractor (honey sepa-
 - 62 and 63 the strained honey (honey):
 - 62 the honey pail
 - 63 the honey jar;
 - 64 the honey in the comb
 - 65 the wax taper
 - 66 the wax candle
 - 67 the block of wax (beeswax)
 - 68 the bee poison ointment



79 The Nursery Garden (Nursery)



- 1-51 the market garden (nursery, *Am.* truck garden, truck farm):
- 1 the tool shed
 - 2 the elevated water tank (water reservoir)
 - 3 the market gardener's (*Am.* truck gardener's, truck farmer's, trucker's) tree nursery
 - 4 the hothouse (forcing house, propagating house):
 - 5 the glass roof
 - 6 the roll of matting (straw mat, shader)
 - 7 the boiler room
 - 8 the heating pipe
 - 9 the covering board (covering shutter)
 - 10 the ventilation window (hinged ventilator)
 - 11 the sliding ventilation window;
 - 12 the potting table
 - 13 the riddle (upright sieve)
 - 14 the garden shovel (shovel)
 - 15 the heap of earth (compost earth, prepared earth, garden mould, *Am.* mold; manure)
 - 16 the hotbed (hotbed frame, forcing bed, garden frame, frame):
 - 17 the hotbed window (frame window)
 - 18 the ventilating prop;
 - 19 the sprinkler (watering device)
 - 20 the gardener (nursery gardener, market gardener, *Am.* truck gardener, trucker)
 - 21 the hand cultivator (hand grubber)



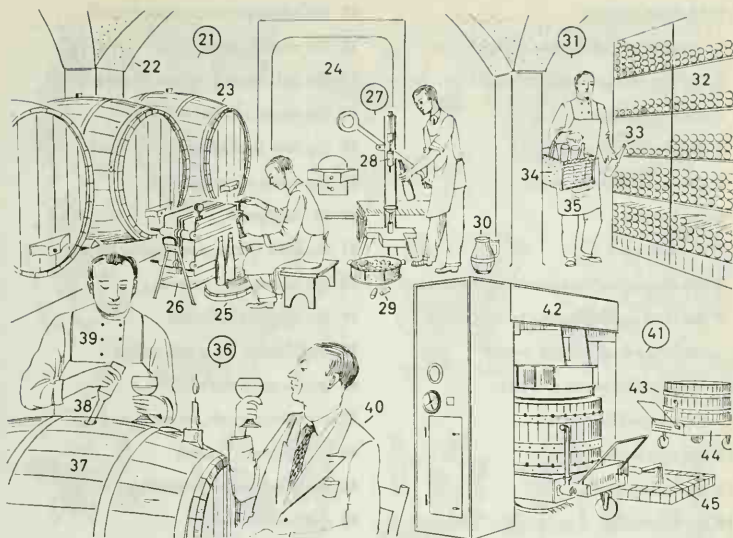
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| 22 the plank to stand and walk on | 37 the hoop edging; |
| 23 pricked seedlings (pricked-out, pricked-off, seedlings) | 38 the vegetable bed: |
| 24 forced flowers [forcing] | 39 the brick edging; |
| 25 potted plants (plants in pots, pot plants) | 40 the vegetable stall: |
| 26 the watering can (<i>Am.</i> sprinkling) | 41 the signboard (facia) |
| 27 the handle can): | 42 the awning |
| 28 the rose; | 43 the board with the prices of the garden produce (<i>Am.</i> of the truck produce) |
| 29 the water tank | 44 the shop counter (counter); |
| 30 the water pipe | 45 the basket for delivering vegetables, a vegetable basket |
| 31 the bale of peat dust (pressed peat, <i>Am.</i> peat moss) | 46 the tub plant: |
| 32 the intermediate house | 47 the plant tub |
| 33 the cold-house (greenhouse), a pit house | 48 the handle; |
| 34 the windmill motor: | 49 the woman gardener |
| 35 the wind wheel; | 50 the assistant gardener (under-gardener, <i>Am.</i> garden hand) |
| 36 the flower bed: | 51 the seedling box |

80 Viniculture (Viticulture, Wine-growing)



1–20 the wine-growing district:

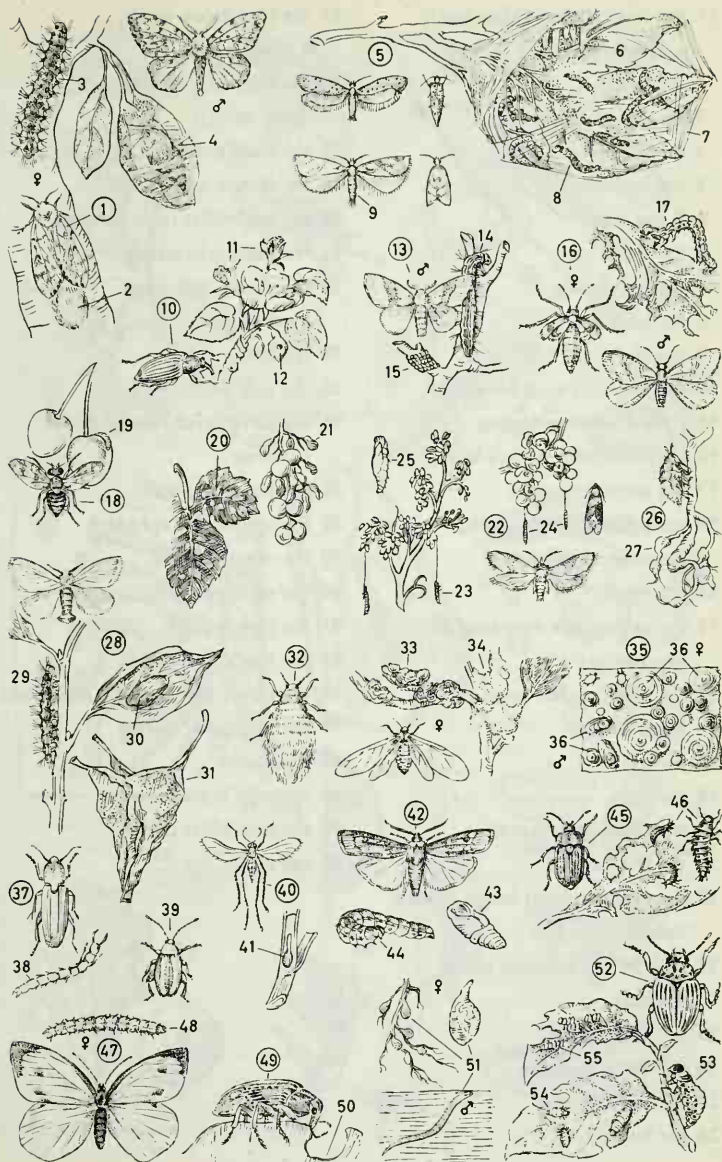
- | | |
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| 1 the vineyard during the vintage | 9 the female grape-gatherer at the vintage in the grape-harvest season |
| 2 the wine-grower's cottage (vineyard owner's cottage, vineyard cottage) | 10 the pruning knife (pruning hook) |
| 3–6 the vine plant (vine, <i>Am. grape-vine</i>): | 11 the vine-grower (vine-dresser, viniculturist, viticulturist) |
| 3 the shoot | 12 the wooden dossier |
| 4 the vine tendril | 13 the transport cask |
| 5 the vine leaf | 14 the vineyard boy, pouring in the crushed grapes |
| 6 the grapes (cluster of grapes, bunch of grapes); | 15 the vat with the crushed grapes |
| 7 the stake (post) | 16 the wine press (grape press) |
| 8 the tub for gathering the grapes | 17 the stone jug (stone jar) |



- | | |
|--|---|
| 18 the vintager | 33 the wine bottle |
| 19 the wayside crucifix | 34 the bottle basket |
| 20 the ruin (ruins, castle ruin); | 35 the cellarer's assistant; |
| 21 the wine cellar (wine storage cellar, wine vaults): | 36 wine-tasting: |
| 22 the vault | 37 the wine cask (wine barrel) |
| 23 the wine cask (wine barrel) | 38 the pipette |
| 24 the wine tank (wine container) | 39 the cellarman |
| 25 bottling the wine | 40 the wine-taster, a wine connoisseur; |
| 26 the bottling apparatus | 41 the wine-press shed: |
| 27 the corking machine: | 42 the hydraulic wine press (grape press) |
| 28 the cork compressor; | 43 the press vat |
| 29 the wine cork, a bottle cork | 44 the wheeled vat truck |
| 30 the wine jug | 45 the grape juice |
| 31 the bottle cellar: | |
| 32 the bins | |

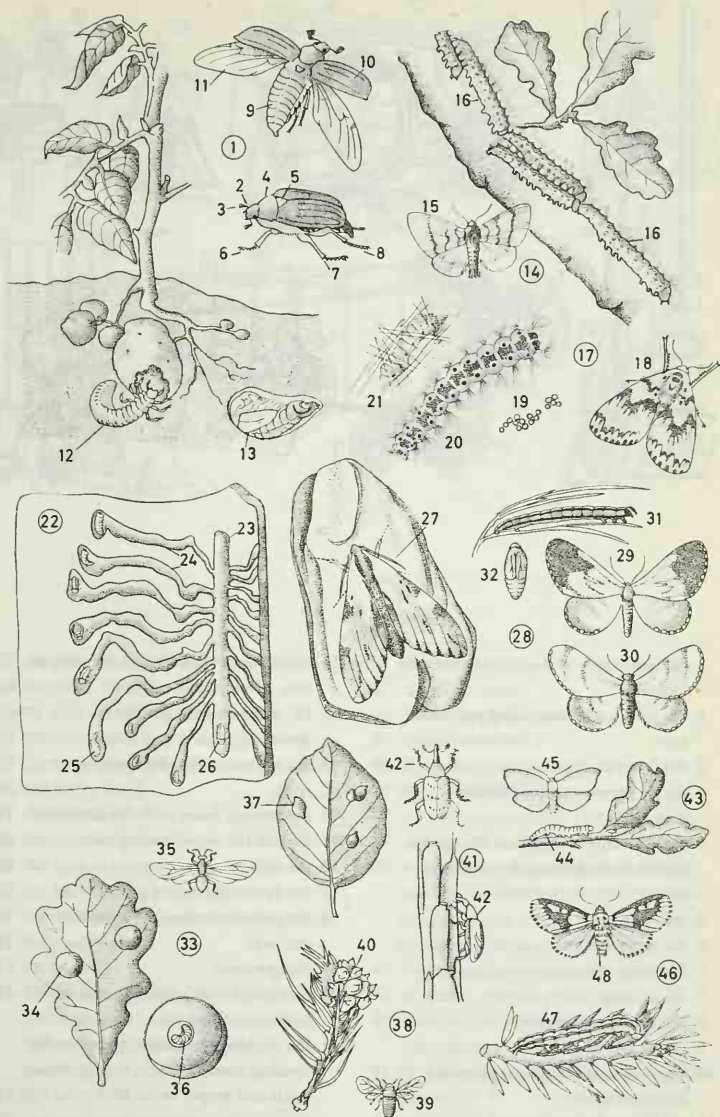
81 Garden and Field Pests

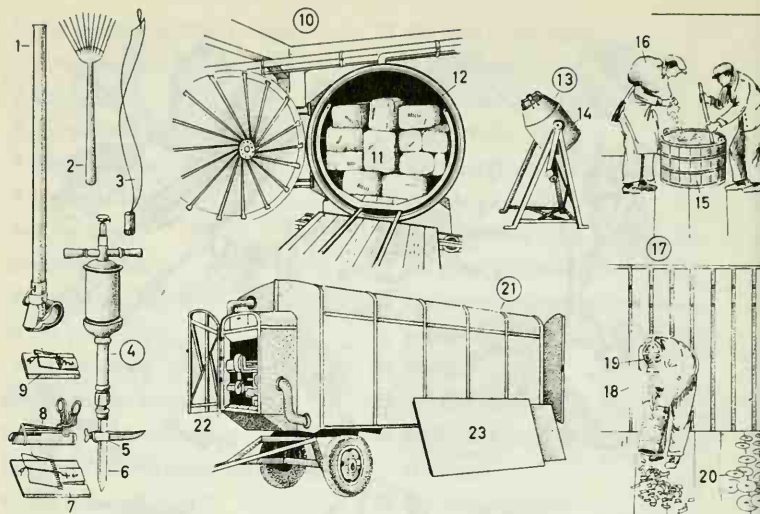
- 1-19 fruit pests,
 - 1 the gipsy moth (gypsy moth);
 - 2 the egg batch (cluster of eggs)
 - 3 the caterpillar
 - 4 the chrysalis (cocoon);
 - 5 the small ermine moth;
 - 6 the larva
 - 7 the web tent
 - 8 the caterpillar skeletonizing the leaf;
 - 9 the fruit surface eating tortrix moth
(summer fruit tortrix moth)
 - 10 the apple blossom weevil;
 - 11 the capped blossom
 - 12 the egg-laying hole;
 - 13 the lackey moth;
 - 14 the caterpillar
 - 15 the eggs;
 - 16 the winter moth;
 - 17 the caterpillar;
 - 18 the cherry fruit fly;
 - 19 the maggot (larva);
- 20-27 vine pests,
 - 20 the downy mildew, a disease causing
leaf fall;
 - 21 the mildew on grape fruits;
 - 22 the grape moth :
 - 23 the caterpillar of the 1st generation
 - 24 the caterpillar of the 2nd generation
 - 25 the chrysalis (pupa);
 - 26 the root louse, a vine louse:
 - 27 the root gall;
 - 28 the brown-tail moth:
 - 29 the caterpillar (larva)
 - 30 the egg batch
 - 31 the hibernation cocoon ("tent");
 - 32 the woolly aphid:
 - 33 the gall caused by the woolly aphid
 - 34 the woolly aphid colony;
 - 35 the San-José scale, a scale insect:
 - 36 the adult scale insects;
- 37-55 field pests,
 - 37 the click beetle, a snapping beetle:
 - 38 the wireworm, a larva;
 - 39 the turnip flea beetle
 - 40 the Hessian fly, a gall midge:
 - 41 the maggot (larva);
 - 42 the turnip moth, an earth moth:
 - 43 the chrysalis (pupa)
 - 44 the cutworm, a caterpillar;
 - 45 the carrion beetle:
 - 46 the larva;
 - 47 the large cabbage white butterfly:
 - 48 the caterpillar of the small cabbage
white butterfly;
 - 49 the brown leaf-eating weevil, one of
the Curculionidae;
 - 50 the feeding site;
 - 51 the beet eelworm, a nematode
 - 52 the Colorado beetle (potato beetle):
 - 53 the mature grub (larva)
 - 54 the young grub (young larva)
 - 55 the eggs



82 Forest Pests

- 1 the cockchafer (May bug),
a Melolontha:
- 2 the head
- 3 the antenna (feeler)
- 4 the prothorax
- 5 the scutellum
- 6-8 the legs:
- 6 the front leg
- 7 the middle leg
- 8 the hind leg;
- 9 the abdomen
- 10 the elytron (wing cover)
- 11 the membranous wing
- 12 the cockchafer grub, a larva
- 13 the pupa (chrysalis)
- 14 the processionary moth,
a nocturnal moth:
- 15 the moth
- 16 the caterpillars marching in
procession;
- 17 the black arches moth
(nun moth):
- 18 the moth
- 19 the eggs
- 20 the caterpillar (larva)
- 21 the cocoon;
- 22 the typographical beetle, a bark
beetle,
- 23 and 24 the galleries under
the bark:
- 23 the egg gallery
- 24 the larval gallery;
- 25 the larva (grub)
- 26 the beetle;
- 27 the pine hawk-moth,
a hawk-moth
- 28 the bordered white moth
(pine moth):
- 29 the male moth
- 30 the female moth
- 31 the caterpillar (pine looper)
- 32 the pupa (chrysalis);
- 33 the cherry gall wasp,
a gall wasp:
- 34 the gall
- 35 the gall wasp
- 36 the larva (grub) in the larval
chamber;
- 37 the beech leaf gall
- 38 the spruce gall aphid:
- 39 the winged aphid
- 40 the pineapple gall;
- 41 the pine weevil:
- 42 the beetle (weevil);
- 43 the green oak tortrix, a leafroller:
- 44 the caterpillar (larva)
- 45 the moth;
- 46 the pine beauty moth:
- 47 the caterpillar (larva)
- 48 the moth





1-48 machinery and apparatus for pest control:

- 1 the tube for broadcasting poisoned bait
- 2 the fly swat
- 3 the fly paper, a strip of sticky paper
- 4 the soil injector (carbon disulphide injector) for killing the vine root louse:
- 5 the syringe
- 6 the spray outlet;
- 7-9 rodent traps:
- 7 the rat trap
- 8 the vole and mole trap
- 9 the mouse trap;
- 10 the vacuum fumigation plant of a tobacco factory:
- 11 the bales of raw tobacco

12 the vacuum chamber for the destruction of pests and mildew;

13-16 corn-dressing (cereal-dressing),

13 the apparatus for dry-dressing corn:

14 the mixing drum with the dressing;

15 the tub for wet-dressing corn

16 the sack of corn;

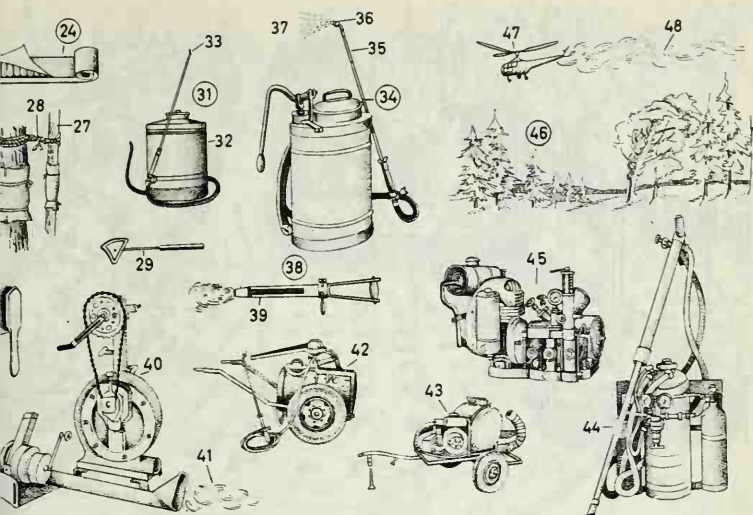
17 the extermination of pests:

18 the pest-exterminator (*form.* rat-catcher)

19 the gas mask

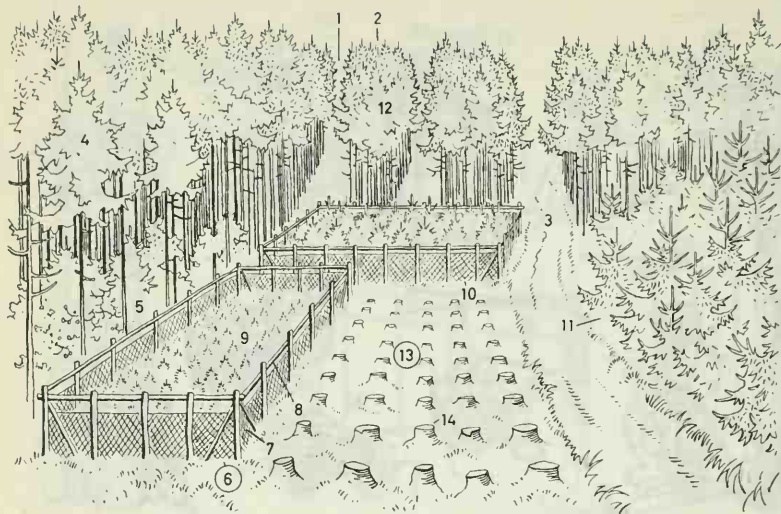
20 the disks (discs) impregnated with hydrogen cyanide;

21 the mobile fumigation chamber for treating nursery stock, young vines, seeds and empty sacks with hydrogen cyanide:



- 22 the gas circulation unit
- 23 the tray;
- 24-45 pest control on fruit trees,
- 24 the corrugated paper band;
- 25 the corrugated paper;
- 26 the sticky band
- 27 the tree stake
- 28 the tree tie;
- 29 the bark-scraper
- 30 the bark brush
- 31 the diaphragm knapsack sprayer;
- 32 the spray tank
- 33 the nozzle;
- 34-37 the piston knapsack sprayer, a piston sprayer; *also* : painting gun (paint, or impregnating agent, sprayer),
- 34 the lance;
- 35 the extension piece

- 36 the nozzle;
- 37 the spray liquid;
- 38 the fumigating apparatus;
- 39 the gas cartridge;
- 40 the poison gas atomiser
- 41 the insecticidal gas
- 42 the two-wheeled fruit tree spraying machine
- 43 the spraying, vaporising, and dusting, machine (motorised spraying machine, motorised vaporising machine, motorised dusting machine)
- 44 the poison foam apparatus
- 45 the power spraying machine;
- 46 forest and plantation protection (insecticide-dusting):
- 47 the helicopter (*Am.* direct lift machine, copter)
- 48 the cloud of insecticidal dust



Engl. timber = Am. lumber or timber

1-34 the forest, a wood:

1 the ride (aisle, lane, section line, rack)

2 the forest section (compartment)

3 the wood-haulage way, a forest cart track (forest road)

4-14 the clear-felling system:

4 the standing timber, a high forest (mature timber)

5 the underwood (brushwood, shrubbery, underbrush, undergrowth, *Am. brush*)

6 the seedling nursery, a tree nursery:

7 the rabbit fence, a wire netting fence

8 the guard rail

9 the seedlings;

10 and 11 the transplants and the young plantation (saplings):

10 the tree nursery after transplanting

11 the young plantation;

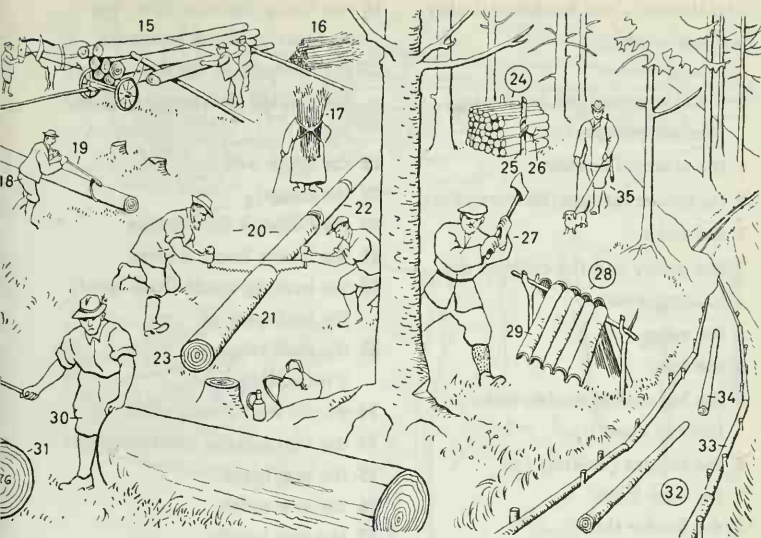
12 the young plantation after clearing of the lower branches

13 the clearing:

14 the stump (stub);

15-34 the felling (cutting, *Am. logging*) and harvesting of wood (*Am. and Can. lumbering*):

15 the pole wagon (timber wagon, *Am. and Can. lumber car, lumber wagon*)



- 16 the heap (pile) of brushwood
(of branchwood)
- 17 the faggot (*Am.* fagot; bundle
of twigs)
- 18 the forest labourer (woodsman,
woodman, *Am.* forest laborer,
Am. and Can. lumberer, lumber-
jack, timberjack, lumberman),
turning (*Am.* canting) timber
- 19 the cant hook (peavy)
- 20 the two-man team (team, *Am.*
crew, buckers), sawing (cutting,
Am. bucking)
- 21 the tree trunk (stem, bole)
- 22 the log
- 23 the annual ring

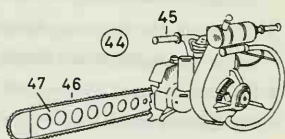
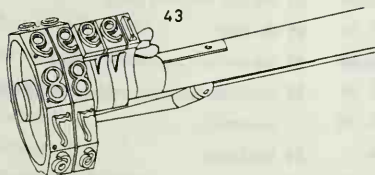
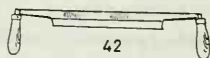
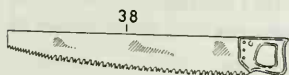
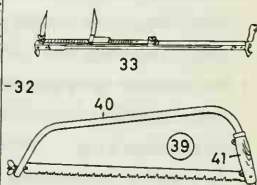
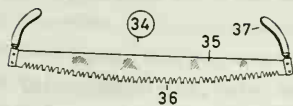
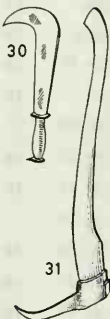
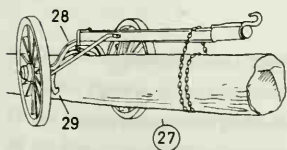
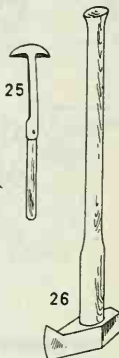
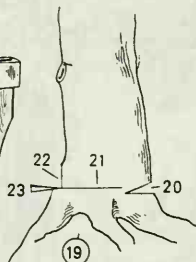
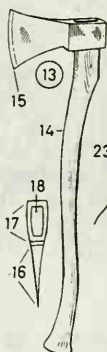
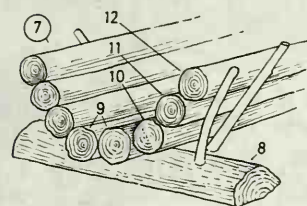
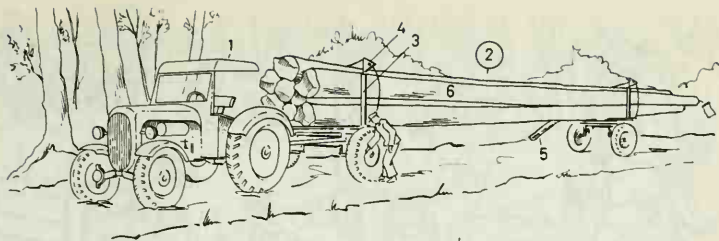
- 24 the stack of logs (pile of logs),
containing a cubic metre (*Am.*
meter) of wood [*in England*: a cord
of wood (128 stacked cubic feet)]:
- 25 the post (stake)
- 26 the withe;
- 27 the feller (wood-cutter, *Am.*
lumberman, lumberjack), felling
- 28 the drying rack:
- 29 the tan bark;
- 30 the foreman numbering the tree
- 31 the numbered tree
- 32 the timber chute (timber slide),
a runway:
- 33 the fender
- 34 the log sliding down into the
valley;
- 35 the beat forester (*Am.* ranger)

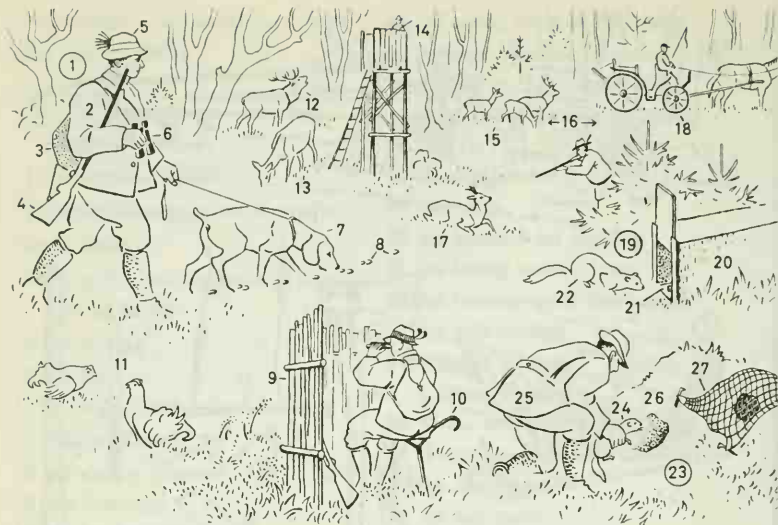
85 Forestry II

Engl. timber = *Am.* lumber or timber;

Engl. axe = *Am.* ax

- 1-6 the overland timber haulage (timber transport):
 - 1 the wheeled tractor
 - 2 the timber carriage (timber trailer):
 - 3 the stake
 - 4 the pulley and the cable of the loading winch
 - 5 the ramp
 - 6 the log;
 - 7 the log-walled timber slide (timber chute):
 - 8 the sleeper (bolster)
 - 9 the base logs
 - 10 the fender skid
 - 11 the side log
 - 12 the top log;
 - 13 the felling axe:
 - 14 the handle (helve)
 - 15 the edge (cutting edge)
 - 16 the blade
 - 17 the head
 - 18 the eye;
 - 19 felling with axe and saw:
 - 20 the notch (undercut, kerf, dip, bird's-mouth)
 - 21 the saw cut
 - 22 the buttress (root crotch, toe, spur, claw), chopped-off
 - 23 the wedge, driven in;
 - 24 the felling wedge
 - 25 the barking-iron (bark-scaler, peeling iron) for removing bark
 - 26 the riving hammer (cleaving hammer, splitting hammer)
 - 27 the timber bob (timber-janker) for tushing (hauling, snigging) logs:
 - 28 the crank axle
 - 29 the tongs;
 - 30 the billhook for lopping
 - 31 the lifting hook, a lever
 - 32 the barking-spade (bark spud) for bark-peeling
 - 33 the slide calipers, a measuring tool
 - 34-41 the woodman's saws,
 - 34 the two-handed cross-cut saw:
 - 35 the saw blade
 - 36 the saw tooth
 - 37 the saw handle;
 - 38 the one-man cross-cut saw
 - 39 the bow saw (frame saw):
 - 40 the bow (frame)
 - 41 the grip;
 - 42 the draw knife (peeling knife) for barking
 - 43 the revolving die hammer (marking hammer, marking iron, *Am.* marker)
 - 44 the one-man motor chain saw (power-driven saw):
 - 45 the handle
 - 46 the saw chain
 - 47 the saw guide



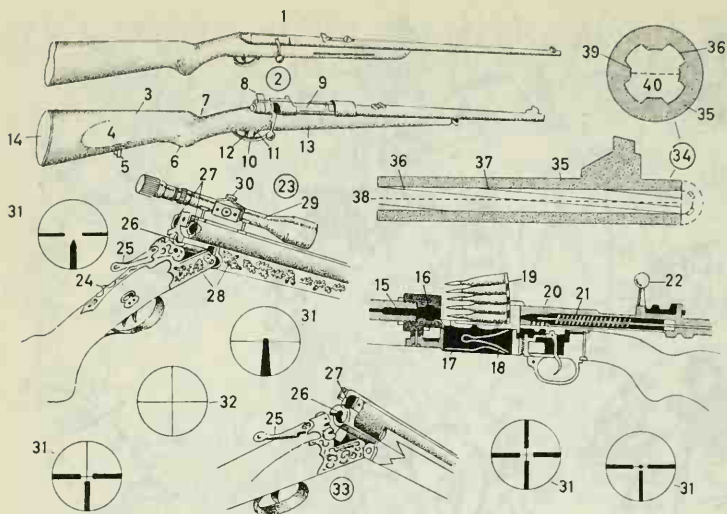


- 1-52 kinds of shooting (shooting),
 1-8 stalking (to go deer-stalking, *Am.* stillhunting) in the hunting preserves (shoot, shooting),
 1 the sportsman (gun, deer-stalker, *Am.* stillhunter):
 2 the huntsman's suit
 3 the knapsack (*Am.* carryall)
 4 the shot gun
 5 the huntsman's hat
 6 the field glass;
 7 the gun dog
 8 the scent (track, trail, trace, spoor, slot; *in underwood* : abature);
 9-12 shooting in the rutting season [deer] and in the pairing season [birds]:
 9 the hunting screen
 10 the shooting-stick
 11 the blackcock displaying himself
 12 the stag, roaring (belling);
 13 the hind, grazing (browsing)
 14-17 shooting from a high stand:
 14 the high stand (shooting stand)
 15 the herd of deer within range (within shooting distance)
 16 the game path (*Am.* runway)
 17 the roebuck, hit in the shoulder and killed by a final shot;
 18 the game cart
 19-27 trapping,
 19 trapping beasts of prey:
 20 the box fall (box trap)
 21 the bait
 22 the marten, a predatory beast;
 23 ferreting (hunting rabbits out of their warrens):
 24 the ferret
 25 the ferreter



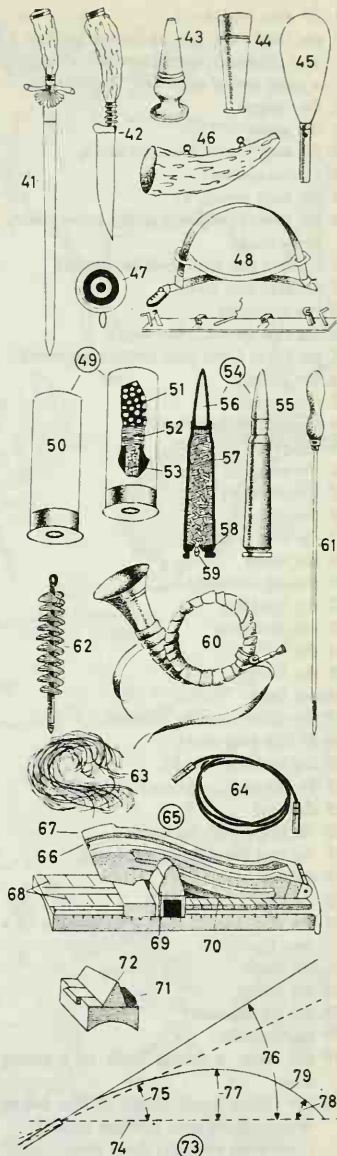
- 26 the burrow (*many burrows* : warren, rabbit's earth)
 27 the purse net over the burrow hole;
 28 the feed trough (winter feeding place)
 29 the poacher
 30 the carbine, a short rifle
 31 the boar hunt:
 32 the boar
 33 the boar hound (*all of them* : the pack);
 34-39 the battue (beat, hare-shooting, *Am.* surround):
 34 the aim (taking aim)
 35 the hare, furred game
 36 retrieving
 37 the beater
 38 the bag
 39 the cart for the game;
 40 waterfowl-shooting (wildfowl-shooting, wild-fowling, duck-shooting, *Am.* duck-hunting):
 41 the flight of wild duck, feathered game;
 42-46 the falconry (hawking):
 42 the falconer
 43 the reward, a piece of meat
 44 the falcon's hood
 45 the jesses
 46 a hawk (tiercel) stooping on a heron;
 47-52 decoy-shooting from a hut:
 47 the tree for the decoyed birds
 48 the eagle owl, a decoy bird
 49 the perch
 50 the decoyed bird, a crow
 51 the hut (shooting hut, shooting shelter, ambush shed)
 52 the loophole

87 Hunting Weapons, Hunting Equipment

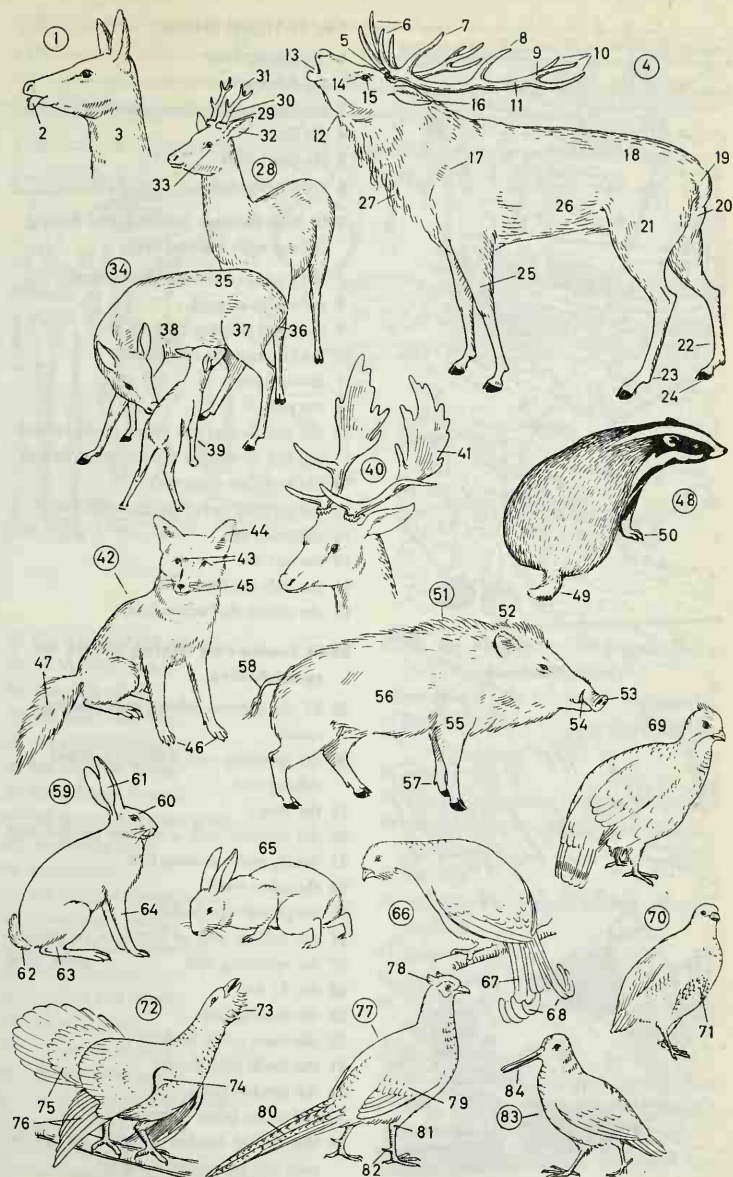


- | | |
|---|---|
| 1-40 sporting weapons (sporting guns,
sporting rifles): | 19 the charger (cartridge clip) |
| 1 the carbine | 20 the bolt |
| 2 the repeating rifle, a small arm
(fire arm), a repeater (magazine
rifle): | 21 the striker (firing pin) |
| 3, 4, 6, 13 the stock of the rifle | 22 the bolt lever (bolt handle); |
| 3 the butt (rifle butt) | 23 the triple-barrelled (<i>Am.</i> triple-barreled)
gun, a self-cocking gun: |
| 4 the cheek | 24 the commutating catch |
| 5 the sling ring | 25 the sliding safety catch |
| 6 the pistol grip | 26 the bullet barrel |
| 7 the small of the butt | 27 the small-shot barrels |
| 8 the safety catch | 28 the chasing |
| 9 the lock | 29 the telescopic sights (<i>Am.</i> aiming
telescope) |
| 10 the trigger guard | 30 the graticule-adjuster |
| 11 the two-pressure trigger | 31 and 32 the sight graticule (<i>Am.</i> cross-
hair diopter): |
| 12 the hair trigger | 31 various graticule systems |
| 13 the foregrip | 32 the cross wires (<i>Am.</i> cross hairs); |
| 14 the butt plate | 33 the over-and-under rifle-shotgun, a
twin-barrel (double-barrel) gun |
| 15 the cartridge chamber | 34 the rifled gun barrel: |
| 16 the front part of the bolt cover | 35 the barrel casing |
| 17 the cartridge magazine | 36 the rifle (rifling) |
| 18 the feed spring (magazine
spring) | 37 the land |

- 38 the bore axis
 39 the bore surface
 40 the calibre (*Am.* caliber; bore);
 41–48 hunting implements:
 41 the double-edged hunting knife
 42 the single-edged hunting knife
 43–47 calls for luring game (calling game
 the imitation of animal calls):
 43 the roe call
 44 the hare call
 45 the quail call
 46 the stag call
 47 the partridge call;
 48 the bow trap (bow gin), a jaw trap;
 49 the small-shot cartridge (small-shot
 round):
 50 the cardboard case
 51 the small-shot charge
 52 the felt wad
 53 the smokeless powder;
 54 the ball cartridge:
 55 the full-jacket bullet or projectile or
 ball
 56 the soft-lead core
 57 the powder charge
 58 the detonator cap
 59 the percussion cap;
 60 the hunting horn [continental type]
 61–64 the weapon-cleaning kit:
 61 the cleaning rod
 62 the barrel-cleaning brush
 63 the cleaning tow
 64 the pull-through (*Am.* pull-thru);
 65 the sights (sighting arrangement):
 66 the notch
 67 the backsight leaf
 68 the sight-scale division
 69 the backsight slide
 70 the notch to hold the spring
 71 the foresight
 72 the blade of the foresight;
 73 ballistics:
 74 the line of azimuth
 75 the angle of departure
 76 the angle of elevation
 77 the zenith (apex)
 78 the angle of descent
 79 the ballistic line



- 1-27 deer (red deer),
- 1 the hind (red deer), a young hind or a dam (mother); *several together* : a parcel; *a young deer of either sex* : fawn:
- 2 the tongue
- 3 the neck;
- 4 the stag (male, hart, red deer),
- 5-11 the antlers:
- 5 the burr (rose)
- 6 the brow tine (brow antler, brow point, brow snag)
- 7 the bez tine (bes tine, bay antler)
- 8 the trez tine (tray)
- 9 the surroyals
- 10 the tine (point, *Am.* snag)
- 11 the beam (*Am.* main stem, main trunk);
- 12 the gullet
- 13 the mouth
- 14 the larmier (tear bag)
- 15 the eye
- 16 the ear
- 17 the shoulder
- 18 the loin
- 19 the scut (tail)
- 20 the rump
- 21 the leg (haunch)
- 22 the hind leg
- 23 the dew claw
- 24 the hoof
- 25 the foreleg
- 26 the flank
- 27 the collar (rutting mane);
- 28-39 roe (roe deer),
- 28 the roebuck (buck),
- 29-31 the antlers (horns):
- 29 the burr
- 30 the beam with the beads
- 31 the tine (branch, point, snag);
- 32 the ear
- 33 the eye;
- 34 the doe (female roe), a young roe or a dam (mother):
- 35 the back
- 36 the rump
- 37 the leg (haunch)
- 38 the shoulder;
- 39 the fawn, a young buck or a young doe
- 40 the fallow buck (buck of the fallow deer), a buck with palmate antlers (*Am.* with shovel); *fem.* : doe:
- 41 the palm;
- 42 the red fox (fox); *male*: fox, *fem.*: vixen (bitch fox, she-fox):
- 43 the eyes
- 44 the ear
- 45 the muzzle
- 46 the pads
- 47 the brush;
- 48 the badger (brock):
- 49 the tail
- 50 the paws;
- 51 wild boar; *here*: the wild boar (wild pig, wild swine); *fem.*: wild sow, *both*: pigs (swine), *the young*: young boars:
- 52 the bristles
- 53 the snout
- 54 the tusk
- 55 the shield (thick skin on the shoulder)
- 56 the hide
- 57 the dew claw
- 58 the tail;
- 59 the hare; *fem.*: doe, *the young*: leverets:
- 60 the eye
- 61 the ear
- 62 the scut
- 63 the hind leg
- 64 the foreleg;
- 65 the rabbit
- 66 the black grouse (black game, heath bird); *male*: blackcock (heath cock), *fem.*: heath hen (grey hen):
- 67 the tail
- 68 the forks;
- 69 the hazel grouse (hazel hen)
- 70 the partridge:
- 71 the breast spot (horseshoe);
- 72 the capercaillie (capercaillie, wood-grouse); *the male also called* mountain cock (cock of the woods):
- 73 the beard
- 74 the breast spot
- 75 the tail (fan)
- 76 the wing (pinion);
- 77 the common pheasant, a pheasant:
- 78 the feathered ear
- 79 the wing
- 80 the tail
- 81 the leg
- 82 the spur;
- 83 the snipe:
- 84 the bill



89 Freshwater Fishing (Fishery) and Sport Fishing



1-6, 13-19 net fishing :

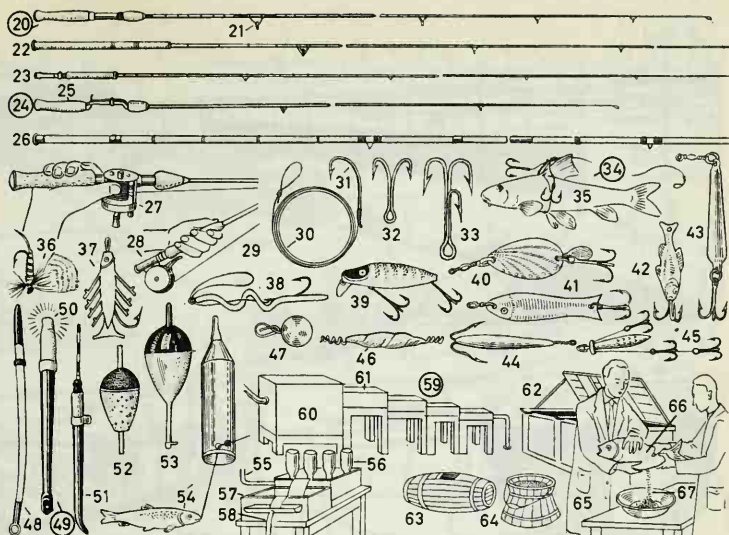
- 1 the fishing boat
- 2 the fisherman
- 3 the sweep seine (sweep net, fishing net)
- 4 the float
- 5 the punt pole
- 6 the casting net;

7-12 line fishing (angling, rod fishing, fishing with rod and line):

- 7 the angler (rod fisher, line fisher)
- 8 the trout stream
- 9 the creel (fishing basket)
- 10 the landing net (hand net)
- 11 the rod rest
- 12 the gaff;
- 13 the fish ladder for fishes (fish) ascending the river (for anadromous fishes)
- 14 the stake net (bag net)
- 15 the crayfish net (*Am.* crawfish net)
- 16 the fish trap
- 17 the flat net
- 18 the bait tin (bait can)
- 19 the worm tin (worm box);

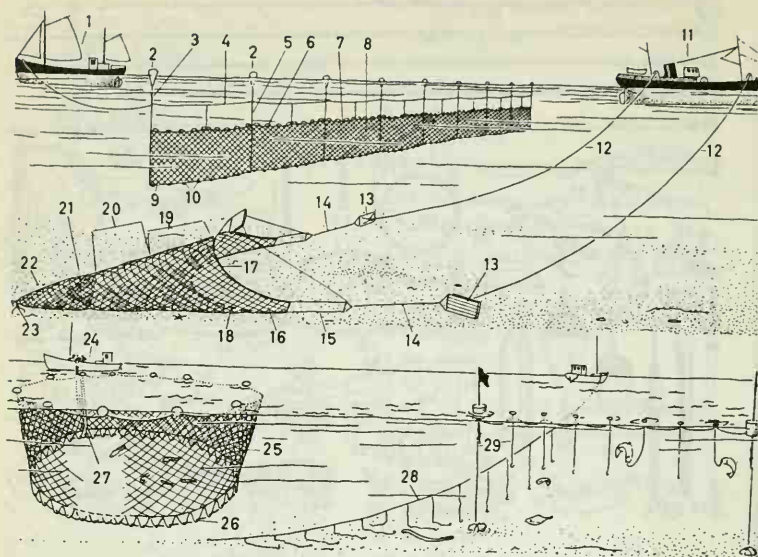
20-54 freshwater fishing tackle for sport fishing,

- 20-23 the jointed fishing rods (fishing rods),
- 20 the spinning rod, a single-handed fishing rod:
- 21 the ring;
- 22 the bottom rod, a double-handed rod
- 23 the fly rod, a casting rod;
- 24 the glass rod:
- 25 the pistol-type handle;
- 26 the fishing rod of bamboo, or pepper
- 27 the spinning reel [tree, cane]
- 28 the fly reel
- 29 the fishing line
- 30 the trace (*Am.* leader)
- 31 the hook (fish hook)
- 32 the double hook
- 33 the treble hook (triangle)
- 34 the set of hooks, a tackle for predatory fish [mounted in bait]:



- 35 the live-bait fish (lure);
 36-43 artificial baits:
 36 the artificial fly
 37 the artificial shrimp
 38 the artificial maggot
 39 the wobbler (plug)
 40 the spinner (spoon)
 41 the spoon bait (minnow)
 42 the diving plug
 43 the mount;
 44 the troll, or gorge, hook
 45 the spinner system
 46 and 47 leads (sinkers):
 46 the spiral lead
 47 the lead ball (shot);
 48 the quill float
 49 the luminous quill:
 50 the luminous paint;
 51 the floating quill with cap
 52 the cork float (float)
 53 the trailing float
 54 the floating tube for live-bait;

- 55-67 the hatchery (fish-breeding, *Am.* fish raising establishment):
 55 the water-inlet (water inflow) pipe
 56 the hatching (breeding, rearing, *Am.* raising) jar
 57 the fry tank
 58 the water discharge (water-outflow) pipe
 59 the hatching (breeding, *Am.* raising) apparatus:
 60 the filter
 61 the hatching (breeding, *Am.* raising) tank;
 62 the fish tank
 63 the fish keg, a fish cask
 64 the vessel (bucket) for transporting fish
 65 the pisciculturist
 66 the female fish (spawner, seeder, seed fish); the male fish: milter; the soft roe (seed) of the male fish: milt
 67 the fish spawn (spawn, roe, hard roe, fish eggs, fish ova)



1-23 the deep-sea fishery,

1-10 the drift-net fishery:

1 the herring drifter (fishing lugger, lugger)

2-10 the herring drift-net:

2 the buoy

3 the buoy rope

4 the floating rope

5 the seizing

6 the float

7 the head (top) rope

8 the net (wall of netting)

9 the foot (bottom) rope

10 the bottom weights;

11-23 the trawling fishery (trawling):

11 the trawler, a large motor-driven fishing vessel

12 the warp

13 the otter boards

14 the bridle

15 the wire warp

16 the net wing

17 the head rope

18 the foot rope

19 the square mesh

20 the belly

21 the flap

22 the cod end

23 the cod line for closing the cod end;

24-29 the coastal fishery (inshore fishery):

24 the fishing boat

25 the ring net, a drift net set in a circle

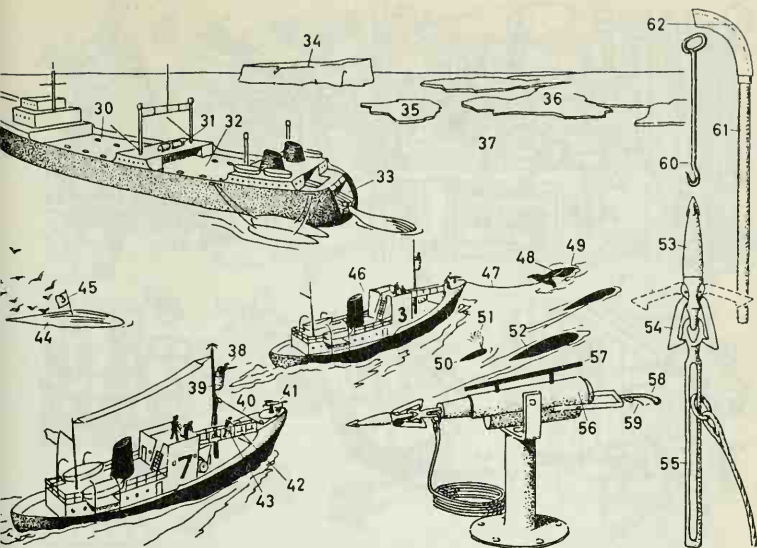
26 the wire rope for closing the net

27 the closing gear

28 and 29 long-line fishing:

28 the long line (sea-fishing line)

29 the suspended fishing tackle (short line), a cotton line;



30-43 whaling (whale-fishing, whale fishery),

30-33 the factory-ship:

30 the fore plan (butcher's deck)

31 the whale winch

32 the flensing deck

33 the ramp (slipway);

34 the iceberg

35 the ice floe (ice raft, ice drift, floating ice)

36 the ice field

37 the Antarctic Sea

38-43 the whaler:

38 the lookout

39 the crow's-nest

40 the whaleline

41 the harpoon gun

42 the catwalk

43 the gunner (harpooner);

44-62 whaling:

44 the flagged whale, a killed whale, a finback (rorqual)

45 the flag with the boat's number

46 the whaler

47 the first line

48 the fluke

49 the whale held fast (whale harpooned)

50 the whale blowing (whale spouting)

51 the spout

52 the school of whales

53-59 the harpoon gun,

53-55 the harpoon:

53 the grenade

54 the barb

55 the shaft;

56 the gun barrel

57 the sights

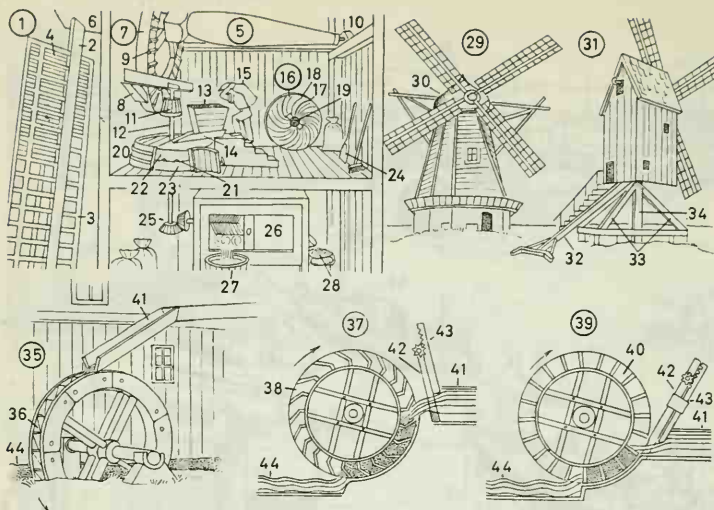
58 the aiming grip

59 the trigger;

60 the blubber hook

61 the flensing knife

62 the cutting edge



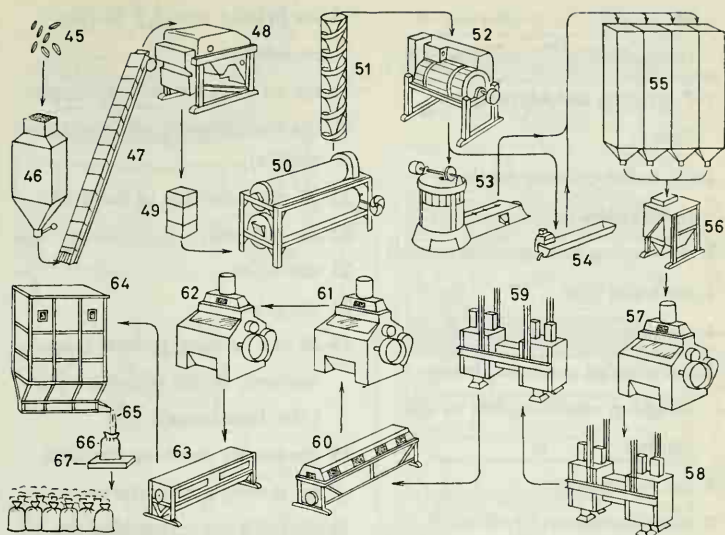
1-34 the windmill,

- 1 the windmill vane (windmill sail, windmill arm, windmill sail arm):
- 2 the stock (middling, back, radius)
- 3 the frame
- 4 the shutters;
- 5 the wheel shaft (sail axle, vane spindle):
- 6 the sail top;
- 7 the head wheel:
- 8 the brake
- 9 the wooden cog;
- 10 the pivot bearing
- 11 the windmill gearing
- 12 the stone spindle
- 13 the hopper
- 14 the shoe (trough)
- 15 the miller
- 16 the millstone:
- 17 the furrow flutes
- 18 the master furrow
- 19 the millstone eye;
- 20 the hurst (millstone casing)
- 21 the set of stones (milling course)

- 22 the runner (upper millstone)
- 23 the bedstone (bedder, nether millstone, lower millstone, bottom stone)
- 24 the wooden shovel
- 25 the bevel gear (angle drive, bevel wheels)
- 26 the bolter (sifter)
- 27 the wooden tub (tun)
- 28 the flour
- 29 the smock windmill:
- 30 the rotating windmill cap;
- 31 the post windmill:
- 32 the tailpole (pole)
- 33 the quarter bars
- 34 the main post;

35-44 the watermill,

- 35 the overshot (high-breast) bucket wheel, a mill wheel (water wheel):
- 36 the bucket;
- 37 the middleshot mill wheel (breast wheel):
- 38 the curved vane;



39 the undershot (impact, impulse) mill wheel:

40 the flat vane;

41 the headrace (discharge flume)

42 the mill weir (*Am.* trashrack)

43 the water overfall

44 the mill brook (mill race, *Am.* raceway);

45-67 the flour mill (corn mill, *Am.* grist-mill),

45-56 grain-cleaners:

45 the grain

46 the automatic grain-weighing machine

47 the elevator

48 the aspirator (preliminary cleaner)

49 the magnet for removing iron particles

50 the cylinders for removing weed seeds

51 the spiral separator

52 the grain (corn) husker (husking machine)

53 the scourer

54 the damper

55 the conditioner

56 the brushes (grain, or corn, polisher; grain, or corn, polishing machine);

57-67 flour milling machines:

57 the brake roller mills, a double-roller mill for crushing (granulating, rough-grinding) the grain (corn)

58 the plansifter

59 the grading (sizing, sorting) plansifter

60 the purifier (groats (grits) and pollard cleaner)

61 the first reduction roller mill (groats (grits) and pollard reducing rollers)

62 the second reduction roller mill

63 the flour sieve for removing bran particles

64 the flour-mixer (flour-mixing machine)

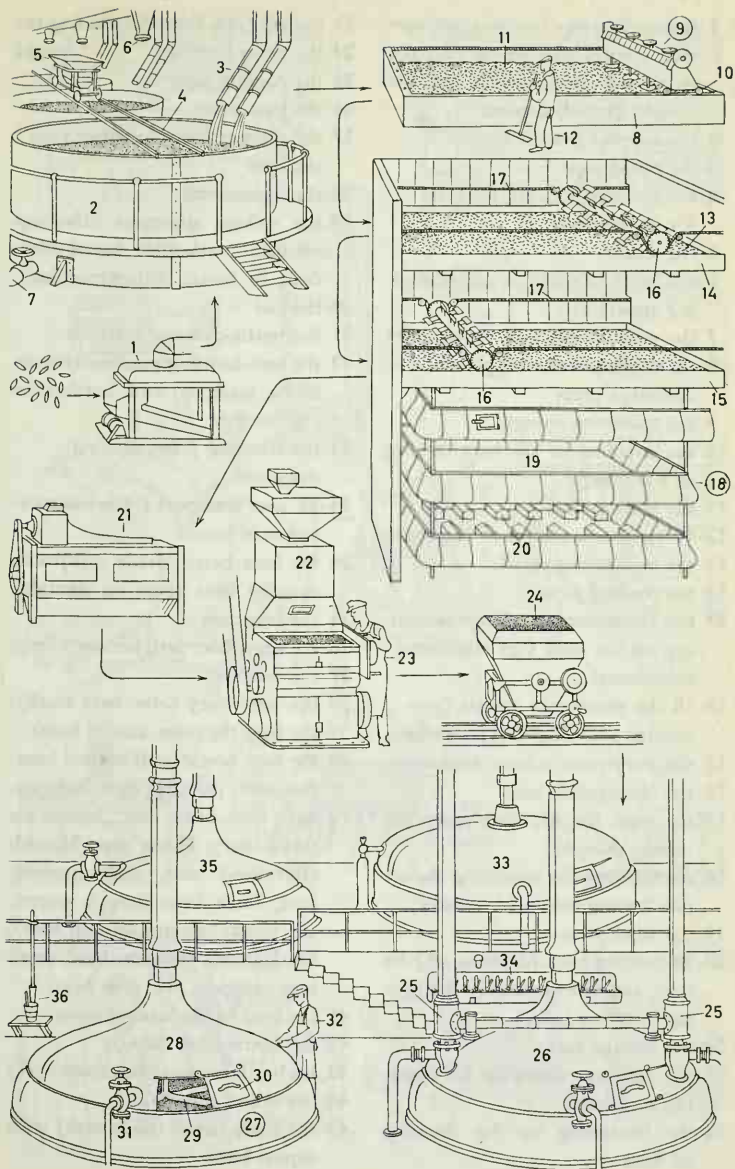
65 the finished product

66 the flour sack

67 the sacking (sack-filling) and sack-weighing plant

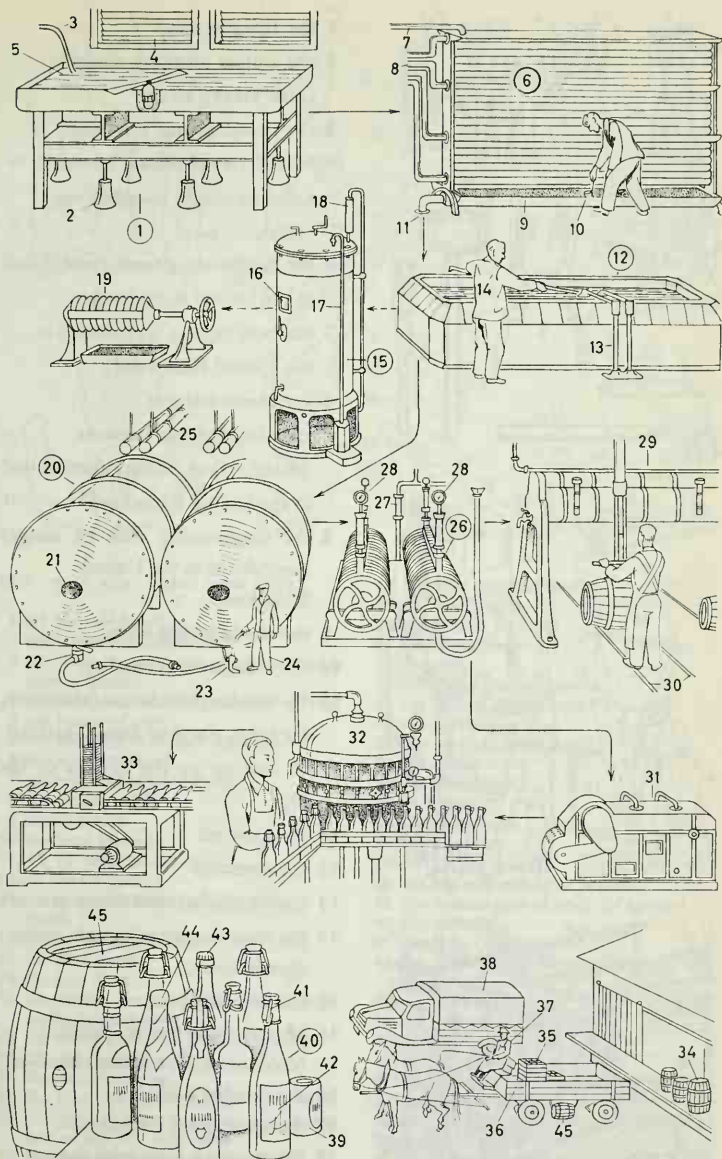
92 The Malthouse, The Brewery I

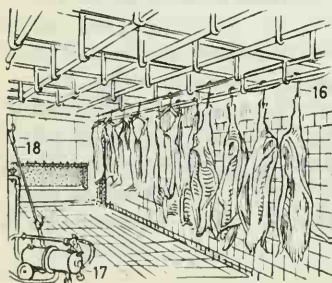
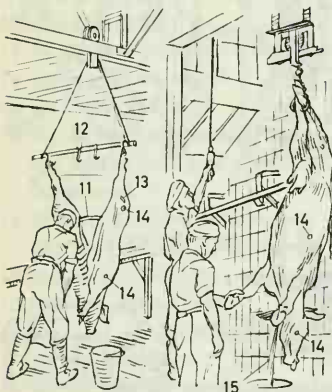
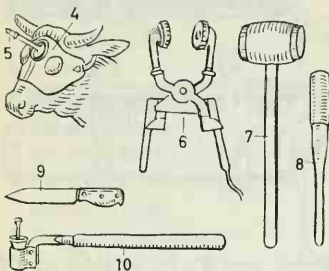
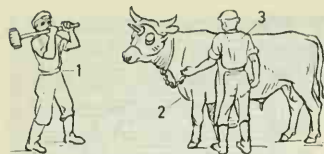
- 1-21 malting (the production of malt),
- 1-7 cleaning and steeping the barley:
 - 1 the barley-cleaning machine (barley-cleaner)
 - 2 the steeping tank (steeping cistern)
 - 3 the water pipe
 - 4 the rails
 - 5 the wheeled automatic barley-weighing machine (*Am.* weight-ometer)
 - 6 the barley inlet
 - 7 the drain outlet;
 - 8-12 the germination of the barley:
 - 8 the germination box
 - 9 the green-malt turner:
 - 10 the runner (rail);
 - 11 the green malt (germinating barley)
 - 12 the maltster (maltman);
 - 13-20 the drying kiln (malt kiln):
 - 13 the drying malt
 - 14 the drying floor
 - 15 the curing floor (finishing floor)
 - 16 the malt-turner
 - 17 the running chain
 - 18 the hot-air chamber:
 - 19 the heating system, a heating chamber
 - 20 the air shaft for cold-air supply;
 - 21 the malt-cleaning machine (malt-cleaner);
- 22-36 the extraction of the wort:
 - 22 the malt mill
 - 23 the miller
 - 24 the grist
 - 25-36 the brewing process (beer-brewing) in the brewing house (*Am.* brewhouse):
 - 25 the masher (mashing machine) for mixing grist and water
 - 26 the mash tun for mashing the malt
 - 27 the mash copper (mash boiler) for boiling the mash:
 - 28 the boiler lid
 - 29 the rakes
 - 30 the sliding door
 - 31 the water supply pipe;
 - 32 the brewer
 - 33 the lauter tun (clarifying tank) for settling the draff, or brewer's grains, and filtering off the wort
 - 34 the clear wort taps for draining the wort from the grain
 - 35 the hop copper (wort boiler) for boiling the wort
 - 36 the ladle-shaped thermometer



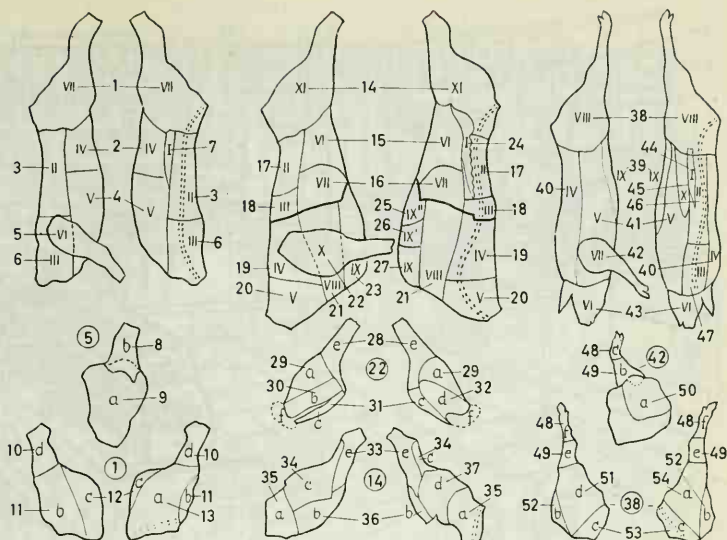
93 The Brewery II

- 1 the cooling tray (cooling pan, surface cooler) for pre-cooling the wort and precipitation of the cloudy (turbid) deposit:
- 2 the support (cooler feet)
- 3 the pump pipe
- 4 the shutters (louvres, louvers) for ventilation
- 5 the wort;
- 6 the wort refrigerator (wort-cooling apparatus):
- 7 the wort supply pipe (wort inlet)
- 8 the cooling-water supply and discharge pipes
- 9 the collecting trough
- 10 the sampling of the beer (taking of a sample)
- 11 the wort outlet;
- 12–19 the fermentation of the wort,
- 12 the fermenting vessel:
- 13 the cooling pipes;
- 14 the fermentation cellarer skimming off the head (the eliminated substances)
- 15–18 the pure-yeast culture (production of biologically pure yeast),
- 15 the pure-yeast culture apparatus:
- 16 the observation hole
- 17 the pipe for blowing away the carbon dioxide
- 18 the air filter for sterilizing the air (for freeing the air of bacteria);
- 19 the yeast press;
- 20–28 racking back (drawing off) the beer and the secondary fermentation of the beer,
- 20 the storage cask:
- 21 the manhole (opening for cleaning purposes);
- 22 the broaching tap for drawing off beer
- 23 the tap (*Am.* faucet) for filling the
- 24 the cellar foreman [casks
- 25 the cooling pipe
- 26 the beer filter:
- 27 the glass cylinder for observing the beer
- 28 the manometer;
- 29 the racking apparatus (drawing-off plant, cask-filler, barrel-filler; cask, or barrel, filling machine)
- 30 the rail
- 31 the bottle-cleaning machine
- 32 the beer-bottling machine (bottle-filling machine) and bottle-closing machine
- 33 the labelling (*Am.* labeling) machine
- 34–38 beer transport (*Am.* transportation of beer):
- 34 the beer barrel (trade cask) with draught beer (beer on draught)
- 35 the beer case
- 36 the dray (beer cart, brewer's dray)
- 37 the drayman
- 38 the beer lorry (*Am.* beer truck);
- 39 the beer tin (*Am.* can of beer)
- 40 the beer bottle with bottled beer; *beer sorts* : pale ale (lager, light ale, light beer, bitter beer), brown ale (mild beer); Pilsen beer, Munich (Bavarian) beer, malt (malted) beer, bock beer (bock), porter, ale, stout, Salvator (strong beer), Goslar beer, wheaten beer, small beer (swipes, *Am.* near beer):
- 41 the beer bottle lever-stopper
- 42 the bottle label (label);
- 43 the bottle crown cork (crown cork)
- 44 the tinfoil capsule
- 45 the trade barrel (trade cask) with export beer





- 1 the slaughterman
- 2 the animal awaiting slaughter
(*Am.* killer), an ox
- 3 the slaughterman's assistant
- 4-10 the slaughterman's tools
(*Am.* findings; slaughtering tools),
- 4 the slaughtering mask [prohibited in the United Kingdom];
- 5 the bolt (spike) [prohibited in the United Kingdom];
- 6 the electrolethaler
- 7 the slaughtering hammer
(slaughtering mallet) [prohibited in the United Kingdom]
- 8 the slaughtering club or cudgel
[prohibited in the United Kingdom]
- 9 the slaughtering knife
- 10 the slaughtering hatchet;
- 11-15 the slaughter house (shambles;
the public slaughter house: abattoir),
- 11-14 cutting up the carcass of the pig:
- 11 the gambrel
- 12 the stretcher
- 13 the trichina control stamp or mark
- 14 the meat inspector's grade stamp
(grade mark);
- 15 the bleeding-out;
- 16-18 the cold-storage chamber
(cold-air store, cooling chamber):
- 16 the butcher's hook
- 17 the sprayer for disinfection
- 18 the spraying tube with the jets



[left: meat side; right: bone side]

1-13 the calf (veal):

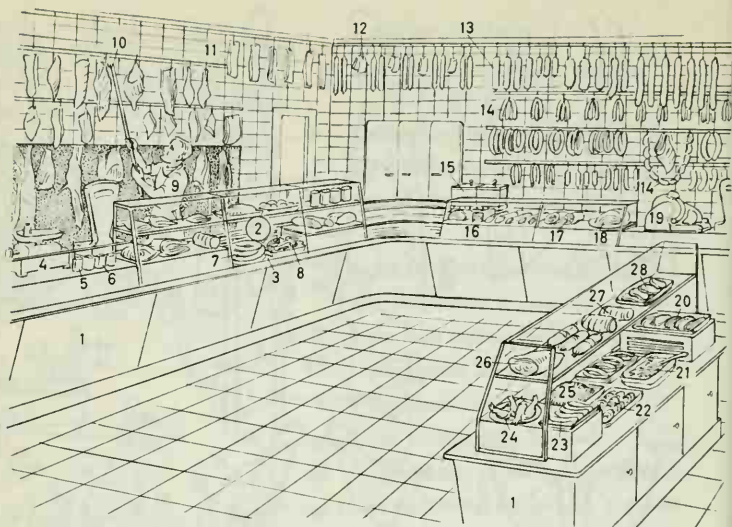
- 1 the leg with hind knuckle
- 2 the flank (ventral part of loin and back part of breast)
- 3 the loin and best-end or neck of veal
- 4 the breast of veal
- 5 the shoulder with fore knuckle
- 6 the scrag and neck
- 7 the best-end of loin of veal
- 8 the fore knuckle
- 9 the shoulder
- 10 the hind knuckle
- 11, 12, 13 parts of the leg;

14-37 the ox (beef):

- 14 the round (buttock) of beef with shank
- 15 and 16 the thin flank:
- 15 the hind flank
- 16 the fore flank;
- 17 the sirloin (*Am.* tenderloin, porterhouse steak, porterhouse)
- 18 the prime ribs (fore ribs, wing end)
- 19 the chuck and middle ribs
- 20 the neck (sticking)
- 21 the fore ribs (top ribs, flat ribs, clod)
- 22 the leg of mutton piece, bladebone, part of top ribs with shin
- 23 the brisket (brisket of beef, clod)

24 the fillet (fillet of beef)

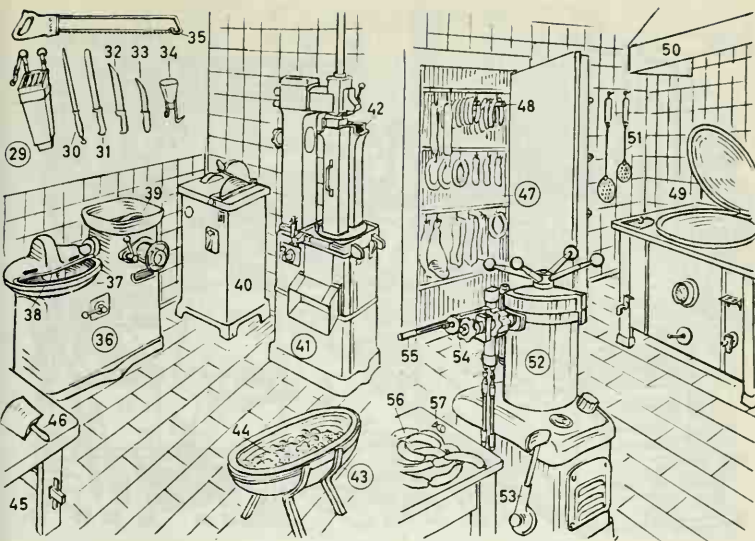
- 25 the hind brisket
- 26 the middle brisket
- 27 the breastbone
- 28 the shin
- 29 the leg of mutton piece
- 30 the part of bladebone
- 31 the part of top ribs
- 32 the part of bladebone
- 33 the shank
- 34 the silverside
- 35 the rump
- 36 the thick flank
- 37 the top side;
- 38-54 the pig (pork):
- 38 the leg and trotter or petitoe
- 39 the ventral part of belly (of spring)
- 40 the back fat
- 41 the belly (spring)
- 42 the bladebone with hand, spring, and trotter
- 43 the pig's head
- 44 the fillet (fillet of pork)
- 45 the leaf fat (flare fat)
- 46 the loin (pork loin)
- 47 the spare rib (pork spare rib)
- 48 the trotter (pettitoe)
- 49 the part of the leg near the knuckle
- 50 the butt
- 51-54 parts of the leg



1-28 the butcher's shop (*Am. coll.* meat market):

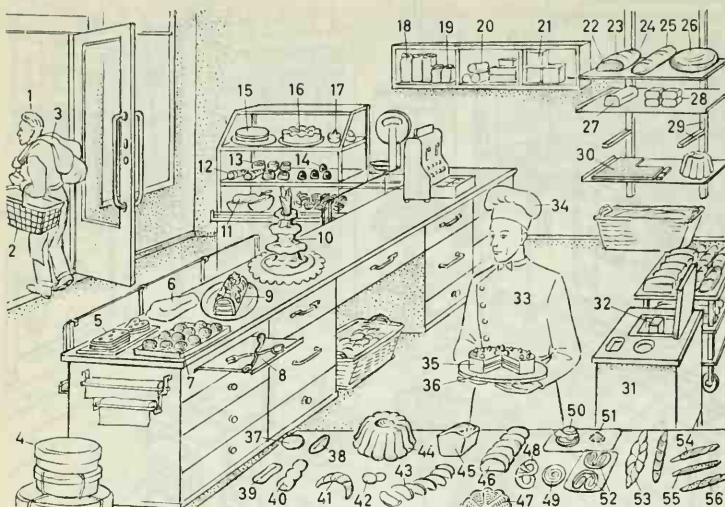
- 1 the counter
- 2 the open freezer:
- 3 the cooling plate;
- 4 the shop mincer, a mincing machine
- 5 lard in packets (lard)
- 6 the beef fat, tallow
- 7 the sausage ring (unlinked sausages)
- 8 the soup bone (marrow bone, bone)
- 9 the butcher
- 10 the long arm, a hooked pole for reaching down sausages
- 11 the side (flitch) of bacon (bacon)
- 12 the smoked meat
- 13 the hard sausage (salame, salami, continental sausage, *Am.* summer sausage)

- 14 the cooked sausage; *sorts*: Vienna sausage, Frankfurter (Frankfort sausage, *Am.* frankfurter, *coll.* franks)
- 15 the sausage boiler (steam cooker)
- 16 the liver paste, a meat paste
- 17 the course cut sausage, a sausage of unminced meat
- 18 the boiled ham
- 19 the bacon-slicer (sausage-slicing machine)
- 20 the rump steak (*Am.* porterhouse steak); *sim.* beef steak, a fillet of beef
- 21 the meat salad
- 22 the collared beef
- 23 the frying sausage
- 24 the pickled pork trotters
- 25 the mince (minced meat)
- 26 the bacon (uncooked ham)
- 27 the bacon (rolled ham)



- 28 the pig's liver;
- 29-57 the manufacturing room,
- 29-35 the butcher's tools (*Am.* butcher's findings),
- 29 the wooden case for the butcher's tools:
- 30 the steel (sharpening steel, grinding steel)
- 31 the sausage knife
- 32 the butcher's knife
- 33 the skin knife;
- 34 the pig-bristle and ox-stomach scraper
- 35 the bone saw;
- 36 the combination, a two-purpose (twin) meat machine:
- 37 the cutter (mincing machine, sausage machine)
- 38 the cutter bowl

- 39 the meat-chopper (meat-shredder);
- 40 the electric saw
- 41 the pork-fat cutter:
- 42 the feed hole;
- 43 the meat-mixing trough:
- 44 the sausage meat;
- 45 the chopping board
- 46 the cleaver (chopper)
- 47 the smoking chamber:
- 48 the spit;
- 49 the sausage boiler
- 50 the air duct
- 51 the skimmer
- 52 the sausage-filler:
- 53 the knee lever
- 54 the automatic linker
- 55 the divider;
- 56 the filled sausage
- 57 the sausage end

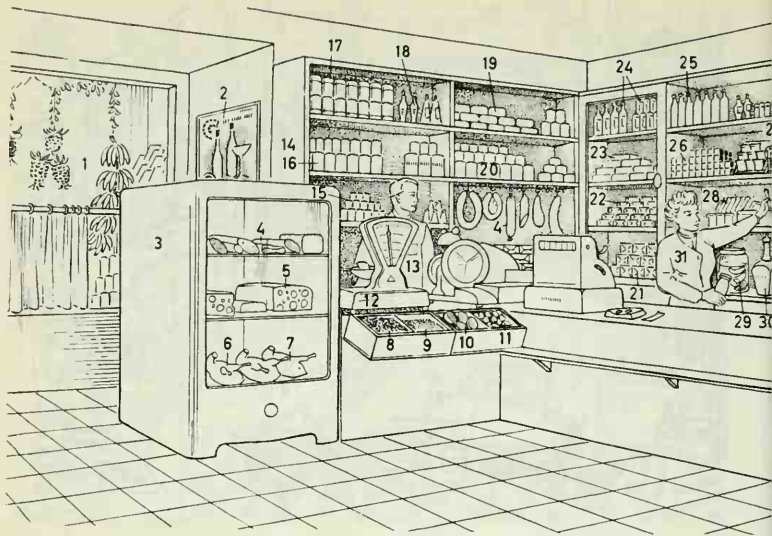


1-56 the bakery (*Am. breadery*), fancy bakery, confectionery:

- 1 the baker's boy
- 2 the basker of rolls
- 3 the bag of rolls
- 4 the cake box
- 5 the gingerbread (*spice biscuit*)
- 6 the currant cake, a Christmas cake
- 7 the doughnut (*Am. flapjack, sinker*), a deep-fried yeast cake mixture
- 8 the cake tongs
- 9 the layer cake
- 10 the tree-shaped Madeira cake
- 11 the whipped cream
- 12 the cream roll
- 13 the patty (*vol-au-vent*)
- 14 the chocolate-iced round sponge cake
- 15 the tart (*flan*) case of short pastry
- 16 the fruit flan (*Am. fruit pie, pie*)
- 17 the meringue
- 18 and 19 flour:
- 18 wheaten flour
- 19 rye flour;
- 20 the Savoy biscuit(s) (*Am. cookie*)
- 21 the crisp bread, a whole-meal bread

22-24 the bread (loaf):

- 22 the crumb
- 23 the bread crust
- 24 the end crust (crust);
- 25-28 sorts of bread:
- 25 the long loaf (*bloomer loaf*), wheat and rye bread
- 26 the round loaf, black bread
- 27 the tin (*sandwich*) loaf, a white loaf
- 28 the pumpernickel (*whole-meal rye bread*) in the air-tight wrapping;
- 29 the bread shelves
- 30 the flat (*griddle*) cake
- 31 the ice-cream machine (*ice maker, ice-cream freezer*)
- 32 the server
- 33 the pastry cook (*confectioner, fancy baker*):
- 34 the confectioners' (*baker's*) cap;
- 35 the iced cream cake
- 36 the cake plate
- 37-40 rolls:
- 37 the roll
- 38 the baton roll
- 39 the French roll



Engl. tinned = *Am.* canned

1-87 the grocer's shop (grocer's, delicatessen shop; *Am.* grocer's store, delicatessen store; *less pretentious:* general merchandise store; *with self-service:* groceria):

1 the show of goods in the show window (shop window, *Am.* store window)

2 the poster (placard)

3 the deep-freezer showcase

4 the sausages

5 the cheese

6 the capon, a fattened cock

7 the poulard, a fattened hen

8 the raisins; *sim.* sultanas

9 the currants

10 the candied lemon-peel

11 the candied orange-peel

12 the dial balance, a quick balance

13 the grocer's assistant (*Am.* salesclerk, store clerk)

14 the goods shelves

15-20 tinned food:

15 tinned milk

16 tinned fruit

17 tinned vegetables

18 the fruit juice

19 the sardines in oil, tinned fish

20 tinned meat;

21 the margarine

22 the butter

23 the coconut fat, a vegetable fat (*Am.* shortening)

24 the oil (olive oil, salad oil)

25 the vinegar

26 the soup cube

27 the broth cube

28 the mustard

29 the gherkin (pickled cucumber)

30 the soup flavouring (*Am.* soup flavoring)

31 the shop assistant (saleswoman, salesgirl, *Am.* sales-lady)

32-34 paste foods:

32 the spaghetti

33 the macaroni

34 the noodles;

35-39 cereals:

35 the pearl-barley

36 the semolina

37 the rolled oats

38 the rice

39 the sago;

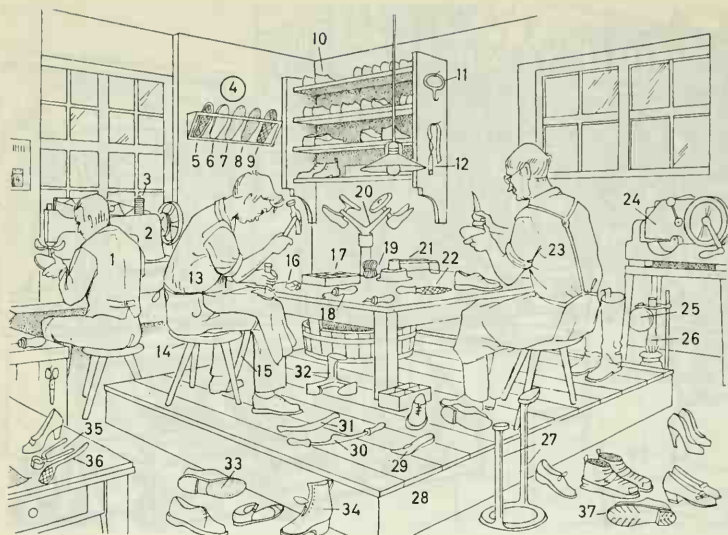
40 the salt

41 the grocer (tradesman, shopkeeper, retailer, *Am.* storekeeper, *Scotch and Am.* merchant)



- 42 the capers
- 43 the vanilla
- 44 the cinnamon
- 45 the customer
- 46-49 wrapping material:
- 46 the wrapping paper
- 47 the string
- 48 and 49 paper bags;
- 50 the blancmange powder
- 51 whole-fruit jam (preserve)
- 52 jam
- 53-55 sugar:
- 53 the lump (cube, loaf) sugar
- 54 the icing sugar (*Am.* confectioner's sugar)
- 55 the granulated sugar, refined sugar;
- 56-59 alcohol (alcoholic liquors, spirits):
- 56 schnaps (schnapps)
- 57 the rum
- 58 the liqueur
- 59 the brandy (cognac);
- 60-64 wine in bottles (bottled wine):
- 60 the white wine
- 61 the chianti
- 62 the vermouth
- 63 the champagne (sparkling wine, *coll. fizz*)

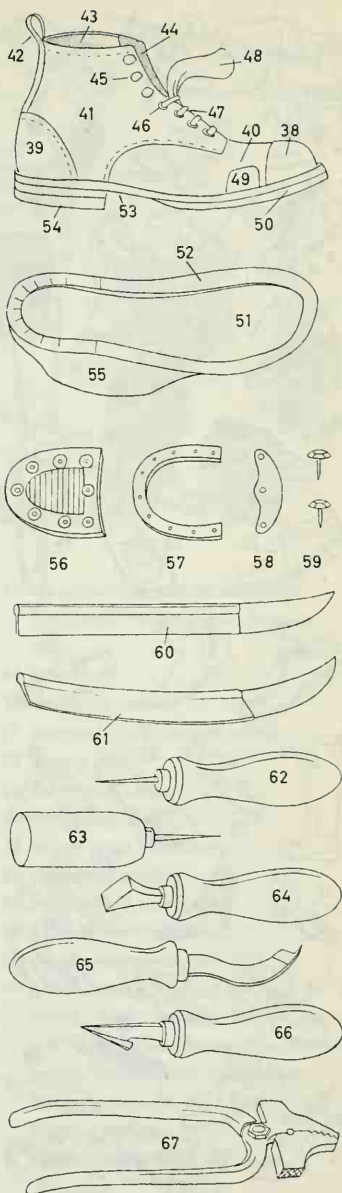
- 64 the red wine;
- 65 the coffee substitute (*ersatz* coffee)
- 66-68 tea, coffee, etc.:
- 66 the cocoa
- 67 the coffee
- 68 the tea;
- 69 the electric coffee-mill (electric coffee-grinder)
- 70 the coffee-roaster:
- 71 the roasting drum
- 72 the sample scoop;
- 73 the price-list
- 74 the freezer
- 75-86 sweets (confectionery, *Am.* candies):
- 75 the sweet (bonbon, *Am.* candy)
- 76 the drops
- 77 the toffees (*Am.* taffy; caramels)
- 78 the bar (slab) of chocolate
- 79 the chocolate box:
- 80 chocolates;
- 81 the fudge
- 82 the marzipan
- 83 the chocolate liqueur
- 84 the cat's tongue
- 85 the nut crunch
- 86 the truffle;
- 87 the soda-water



1-37 the shoemaker's (bootmaker's) workshop:

- 1 the journeyman shoemaker
- 2 the stitching machine
- 3 the stitching thread
- 4 shoe socks (insoles):
- 5 the straw sock
- 6 the felt sock
- 7 the rubber-foam sock
- 8 the cork sock
- 9 the woven lime-wood sock;
- 10 the last
- 11 the last-hook
- 12 the foot tape-measure (foot-measuring tape)
- 13 the shoemaker's apprentice (cobbler's boy)
- 14 the shoemaker's stool
- 15 the knee strap
- 16 the sewing wax (cobbler's wax)
- 17 the nail box, an outfit box for wooden rivets, brads, tacks (tingles) and hobnails
- 18 the channel-cutter
- 19 the twine (waxed thread, cobbler's thread)
- 20 the shoe-stretcher
- 21 the finisher's (finishing) spirit lamp
- 22 the flat rasp
- 23 the shoemaker (master shoemaker, bootmaker, cobbler), repairing shoes
- 24 the clumping machine
- 25 the shoemaker's globe, a water-filled glass globe
- 26 the petroleum (paraffin) lamp
- 27 the cobbler's stand, a double stand with iron lasts
- 28 the platform
- 29 the orthopaedic (orthopedic) instep support
- 30 the iron sleeker (slicker, sleeking iron)
- 31 the wooden sleeker (slicker, sleeking stick)
- 32 the triple last (hobbing foot)
- 33 the nailing (nails)
- 34 the orthopaedic (orthopedic) shoe

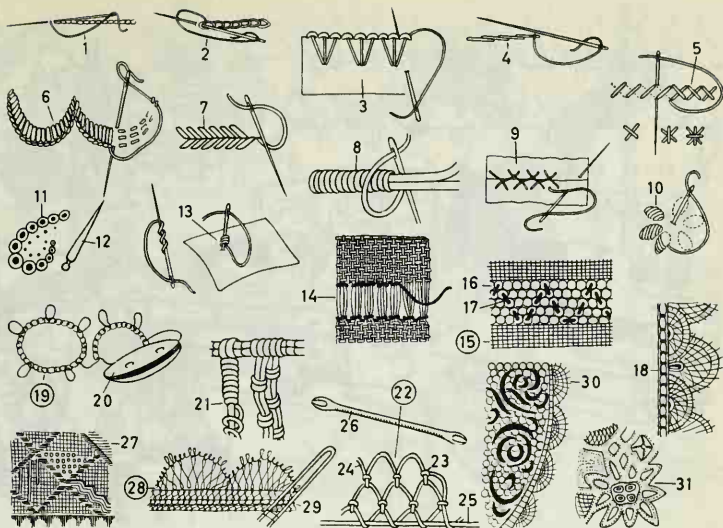
- 35 the nippers (pair of pincers)
- 36 the spoon-shaped rasp
- 37 the barred rubber sole or tread;
- 38-55 the boot,
- 38-49 the upper (uppers, upper leather):
- 38 the toe cap (*Am.* toe box)
- 39 the counter
- 40 the vamp (upper)
- 41 the quarter
- 42 the pull-on strap (back strap, *Am.* boot strap)
- 43 the lining
- 44 the eyelet reinforcement
- 45 the hook
- 46 the eyelet
- 47 the bootlace (shoelace, *Am.* bootstring, shoestring)
- 48 the tongue; *when attached to the uppers*; tongue gusset (half-bellows tongue)
- 49 the leather patch;
- 50-54 the bottom,
- 50 and 51 the sole (shoe sole), a leather sole:
- 50 the outsole of bend leather (bend, sole leather)
- 51 the insole, an inner sole;
- 52 the welt
- 53 the shank (waist)
- 54 the heel;
- 55 the upper;
- 56 the rubber heel (heel)
- 57 the heel iron (iron heel-protector, horseshoe)
- 58 the toe plate (steel tip)
- 59 the hobnail
- 60 the shoe knife (cobbler's knife)
- 61 the heel-parer (paring knife)
- 62 the sewing awl
- 63 the bradawl (sprig bit)
- 64 the heel-glazing iron
- 65 the welt-cutter
- 66 the groover
- 67 the welt pincers (leather pincers)



100 Shoes

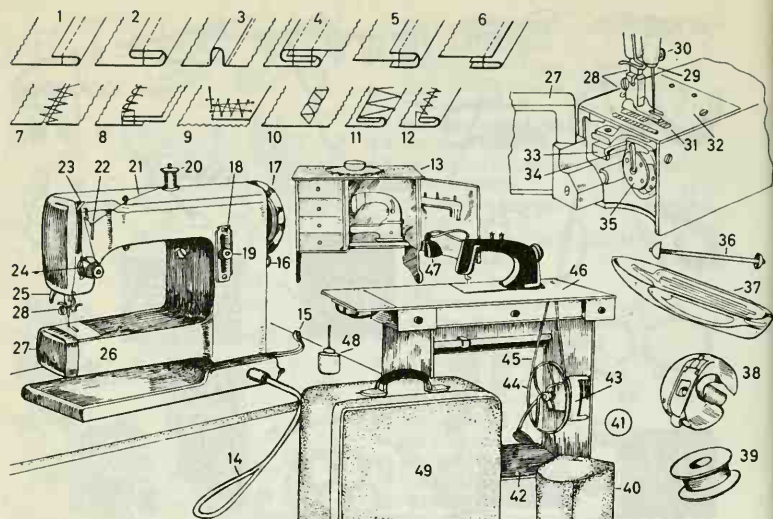


- 1 the leather shoe, a low shoe (Derby tie, *Am. ties, oxford*)
- 2 the gentleman's shoe, a suede shoe (Derby brogue, deerskin shoe, buckskin shoe):
- 3 the crepe rubber sole;
- 4 the fabric shoe
- 5 the rubber overshoe, a rubber shoe (*Am. rubbers*)
- 6 the wooden-soled shoe, a wooden-soled sandal
- 7 the rope sandal (bast shoe); *sim. : straw shoe*
- 8 the boot
- 9 the button shoe, a child's shoe
- 10 the shoe-button hook
- 11 the felt shoe, a felt casual
- 12 the slip-on casual
- 13 the Derby casual
- 14 baby's shoe
- 15 the high boot (high leg boot)
- 16 the boot tree (boot-stretcher)
- 17 the long shoehorn
- 18 the heel protector
- 19 the shoehorn [shoe]
- 20 the walking shoe (men's Oxford tie-*Am. stogy*)
- 21 the working boot (heavy-duty boot, *Am. stogy*)
- 22 the sports shoe
- 23 the hiking shoe (brogue) with fringed tongue, a girl's shoe
- 24 the gym shoe (tennis shoe, Plimsoll)
- 25 the golf shoe
- 26 the elastic-sided boot (*Am. congress boot*)
- 27 the galosh (golosh, overshoe, *Am. coll. rubber*)
- 28 the top boot
- 29 the sandal
- 30 the leather gaiter (leather spat)
- 31 the cloth spat (short cloth gaiter)
- 32 the evening shoe (dancing shoe)
- 33 the snakeskin shoe, a luxury shoe
- 34 the beach sandal:
- 35 the wedge heel
- 36 the cork sole;
- 37 the buckled shoe:
- 38 the shoe buckle;
- 39 the strap shoe
- 40 the court shoe (pumps):
- 41 the high heel;
- 42 the moccasin
- 43 a light lady's shoe the upper of which is plaited to the sole
- 44 the evening sandal, a lady's shoe
- 45 the slipper:
- 46 the collar
- 47 the pompom (pompon);
- 48 the mule (bath slipper)



- 1 the backstitched seam (quilting seam)
- 2 the chain stitch
- 3 the ornamental stitch
- 4 the stem stitch
- 5 the cross stitch, double cross stitch
- 6 the buttonhole stitch (buttonholing, scalloping)
- 7 the fishbone stitch
- 8 the couching stitch
- 9 the herring-bone stitch
- 10 satin stitch (flat stitch work)
- 11 the eyelet embroidery (broderie anglaise)
- 12 the stiletto
- 13 the twisted knot stitch (French knot)
- 14 drawn-thread work (hemstitch)
- 15 tulle work (tulle lace):
- 16 the tulle background (net background)
- 17 the darning stitch;

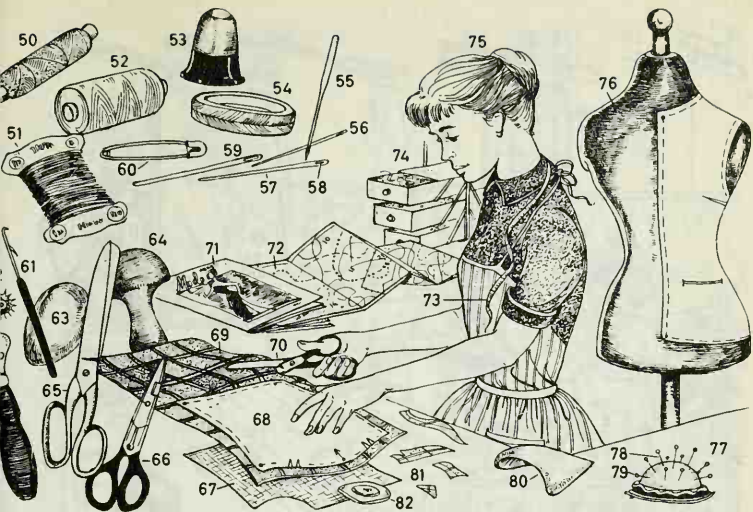
- 18 the pillow lace (bobbin lace, bone lace); *kinds*: Valenciennes, Brussels lace
- 19 tatting:
- 20 the tatting shuttle
- 21 macramé work (knotted work)
- 22 netting (filet):
- 23 the netting loop
- 24 the netting thread
- 25 the mesh pin (mesh gauge)
- 26 the netting needle;
- 27 openwork (à-jour-work)
- 28 hair-pin work (gimping):
- 29 the gimping needle (hair pin);
- 30 needle-made lace (point lace, lace work); *kinds*: reticella lace (Greek lace, Greek point, Roman lace, Roman point), Venetian lace, Alençon lace; *sim.* with metal thread: filigree work (filagree work)
- 31 the braid embroidery



1-12 machine-stitched seams:

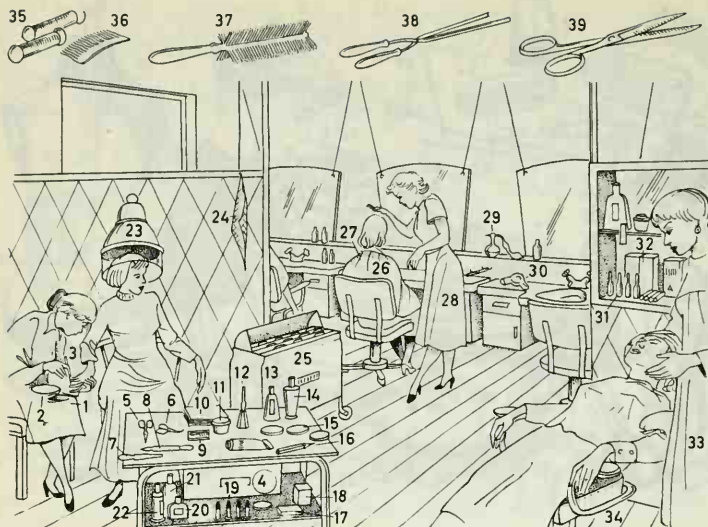
- 1 the fold
- 2 the hem
- 3 the tuck (pleat held by stitching)
- 4 the machine fell, flat seam
- 5 the trimming (binding)
- 6 the braid (piping, edging)
- 7 the zigzag stitch (selvage to selvage, selvedge to selvedge)
- 8 the angle stitch
- 9 the criss-cross stitch
- 10 the hemstitch
- 11 hemming in zigzag stitch
- 12 the zigzag hem stitch;
- 13 the sewing machine cabinet
- 14-47 the sewing machine,
- 14-40 the electric sewing machine:
- 14 the knee lever
- 15 the connecting flex
- 16 the bobbin-winder
- 17 the balance wheel
- 18 the stitch scale
- 19 the regulator for setting the stitch length

- 20 the reel of thread (reel of cotton, *Am.* spool of thread)
- 21 the upper thread (needle thread), a sewing thread
- 22 the thread hook
- 23 the thread take-up lever
- 24 the tension disk or disc
- 25 the presser foot lifter
- 26 the darning arm
- 27 the hinged cap
- 28 the presser bar (presser) with the presser foot
- 29 the needle bar
- 30 the needle clamp screw (thumb)
- 31 the feed point
- 32 the feed plate
- 33 the feed bar
- 34 the clip (latch)
- 35 the bobbin (*Am.* spool)
- 36 the empty bobbin for the under-thread (for the bobbin thread, *Am.* spool thread)
- 37 the sliding shuttle
- 38 the rotating shuttle

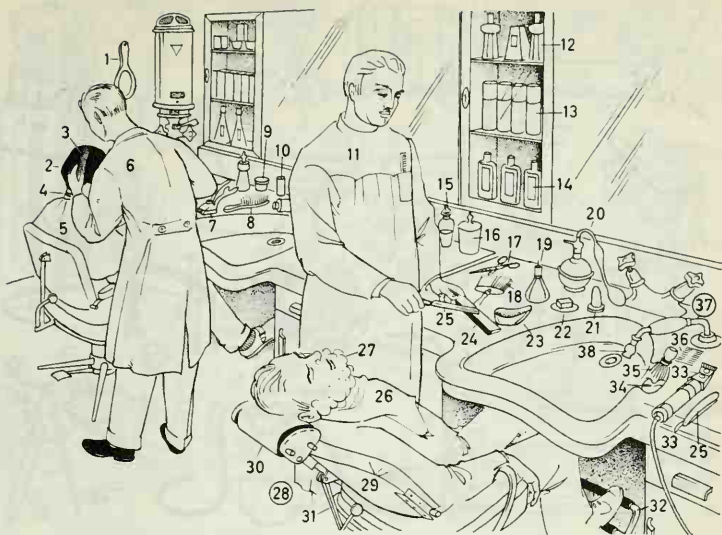


- 39 the under-thread spool or bobbin
- 40 the sewing machine cover;
- 41 the treadle frame (stand):
- 42 the treadle
- 43 the dress guard
- 44 the driving wheel
- 45 the driving belt;
- 46 the sewing table
- 47 the sewing machine light;
- 48 the oil can, a squirt oiler with sewing machine oil
- 49 the sewing machine case
- 50 the spool of sewing silk
- 51 the card of darning (mending) yarn or
- 52 the tacking (basting) thread [wool]
- 53 the thimble
- 54 the reel with selvage (selvedge) tape (with list)
- 55 the sewing machine needle
- 56 the sewing needle
- 57 the darning needle (darnier)
- 58 the eye of the needle
- 59 the bodkin for elastic
- 60 the safety-pin
- 61 the ladder-mender (stocking repairer)

- 62 the dot (tracing) wheel (tracer)
- 63 the darning egg (darning ball, darn-
- 64 the darning mushroom [ing last]
- 65 the dressmakers' shears (cutting out
- 66 the buttonhole scissors [shears])
- 67 the backing (buckram)
- 68 the pattern
- 69 the lining
- 70 the trimmers (cutting-out scissors)
- 71 the fashion magazine (*Am. fashion journal*)
- 72 the pattern sheet (pattern book)
- 73 the tape measure (measuring tape), an inch tape
- 74 the sewing box or work box with hinged compartments
- 75 the seamstress (sempstress, dressmaker); *sim. cutter*
- 76 the dressmaker's dummy or dress form
- 77 the pin cushion
- 78 the pin
- 79 the pin head
- 80 the shoulder pad
- 81 the snippet (scrap of cloth)
- 82 the dressmaker's chalk



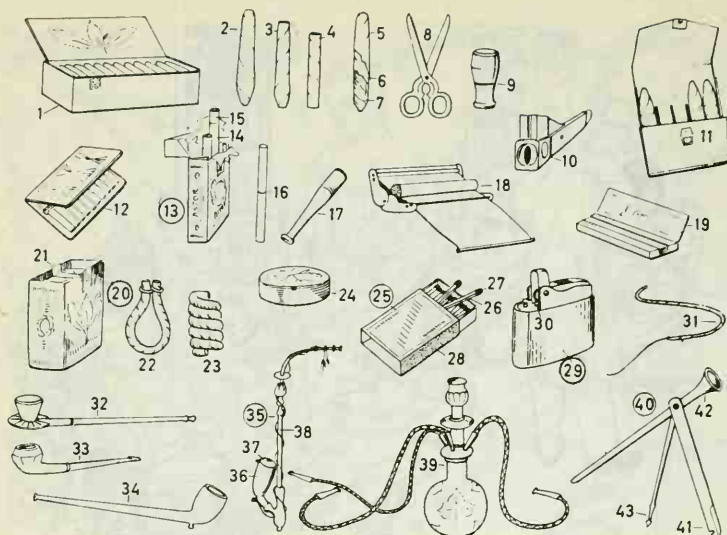
- 1-34 ladies' hairdresser's (hair stylist's, *Am.* hairdresser shop) and beauty salon (*Am.* beauty parlor, beauty shop),
- 1-18 manicure:
 - 1 the manicurist (manicure)
 - 2 the finger bowl
 - 3 the cuticle-remover (*Am. coll.* hangnail
 - 4 the cosmetics trolley: [remover)
 - 5 the nail scissors
 - 6 the cuticle scissors
 - 7 the nail file
 - 8 the nail-cleaner;
 - 9 the mascara with eyelash brush
 - 10 the tissues for facial compresses
 - 11 the beauty cream; *sim.* day cream, night cream
 - 12 the nail varnish (nail polish, *Am.* nail laqueur, nail enamel)
 - 13 the varnish remover (polish remover, *Am.* laqueur remover, enamel remover);
 - 14 the skin lotion (the astringent lotion; *Am.* skin freshener lotion)
 - 15 the make-up
 - 16 the eyebrow pencil
 - 17 the face powder (powder)
 - 18 the sulphurous (*Am.* sulfurous) powder;
 - 19 the lipstick
 - 20 Eau de Cologne (Cologne, *Am.* cologne, Cologne water)
 - 21 the lavender water
 - 22 the glycerine;
 - 23 the drier
 - 24 the hair net
 - 25 the permanent wave (perm) machine
 - 26 the gown (*Am.* cape)
 - 27 dandruff (scurf)
 - 28 the female hairdresser (*coiffeuse*)
 - 29 the setting lotion
 - 30 the hand-drier
 - 31 the cold-wave lotion (waving lotion)
 - 32 the hair dye
 - 33 the beauty specialist (*Am. coll.* beautician), giving a face massage (*Am.* a facial massage, a facial treatment, a facial)
 - 34 the massage chair;
 - 35 the hair-curler (curler)
 - 36 the hair-comb (back-comb, side-comb)
 - 37 the flare brush for brush waving
 - 38 the curling tongs (curling irons)
 - 39 the thinning scissors



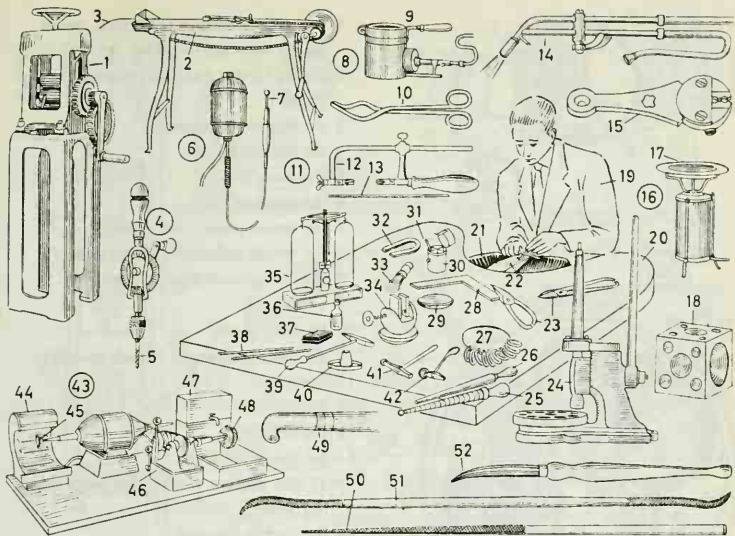
1-38 the hairdresser's shop (barber's shop, *Am.* hairdresser shop, barber shop):

- 1 the hand mirror
- 2 the haircut
- 3 the hairdresser's comb (comb for hair-cutting and trimming)
- 4 the roll of crepe paper
- 5 the cape (hair-dressing cloak)
- 6 the hairdresser's (barber's) assistant, cutting hair
- 7 the hair-clipper
- 8 the hair brush
- 9 the hair cream
- 10 the brillantine
- 11 the hairdresser (barber), shaving
- 12 the hair oil
- 13 the hair tonic (tonic for the scalp)
- 14 the after-shave lotion
- 15 the shampoo
- 16 the antiseptic
- 17 the hair scissors

- 18 the neck brush (neck-duster)
- 19 the powder spray
- 20 the scent spray (perfume spray, *Am.* atomizer)
- 21 the shaving soap
- 22 the styptic pencil, a stick of alum
- 23 the lathering dish (shaving dish)
- 24 the strop (razor strop)
- 25 the razor
- 26 the napkin as protective cloth
- 27 the lather
- 28 the hairdresser's (barber's) chair:
- 29 the chair back
- 30 the head-rest
- 31 the adjusting rod;
- 32 the foot-rest
- 33 the electric clippers (electric shears)
- 34 the soap dish
- 35 the shaving brush
- 36 the fine-tooth comb
- 37 the basin shower (hand shower):
- 38 the rose (shower rose, spray head)

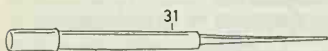
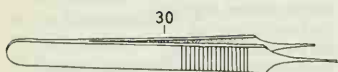
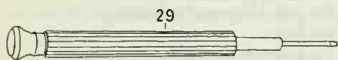
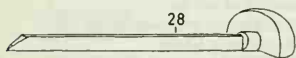
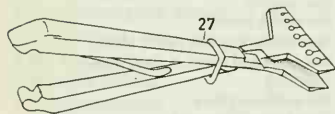
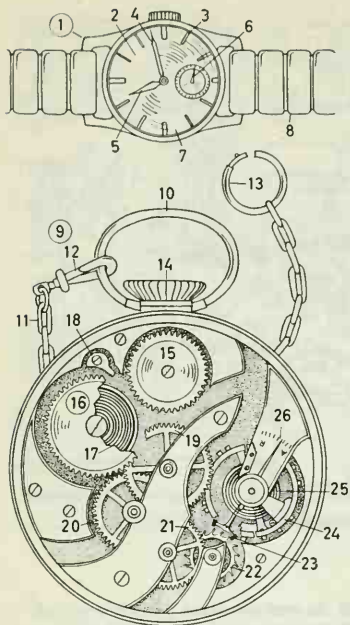


- 1 the box of cigars
- 2 the cigar; *kinds*: Havana cigar, Brazilian cigar, Sumatra cigar
- 3 the small cigar
- 4 the cheroot (*Am. stogie*)
- 5 the wrapper
- 6 the binder
- 7 the filler (filling)
- 8 the cigar scissors
- 9 the cigar-holder
- 10 the cigar-cutter
- 11 the cigar case
- 12 the cigarette case [*cigarettes*]:
- 13 the cigarette packet (*Am. pack of*)
- 14 the cigarette (*sl. fag, smoke, Am. pop. gasper*)
- 15 the cigarette tip; *kinds*: gold tip, cork tip, filter tip;
- 16 the Russian cigarette
- 17 the cigarette-holder
- 18 the cigarette machine
- 19 the packet of cigarette papers
- 20 the packet of tobacco; *kinds*: fine cut,
- 21 the revenue stamp; [*medium cut*]:
- 22 the pigtail (twist of tobacco)
- 23 the chewing tobacco; *a piece*: plug
- 24 the snuff box with snuff [*quid, chew*]
- 25 the match-box:
- 26 the match
- 27 the sulphurated (*Am. sulfurated*) head
- 28 the striking surface; [*or tip*]
- 29 the lighter:
- 30 the flint;
- 31 the wick
- 32-39 pipes:
- 32 the chibouk (*chibouque*)
- 33 the short pipe
- 34 the clay pipe (*Dutch pipe*)
- 35 the long pipe:
- 36 the pipe bowl
- 37 the bowl lid
- 38 the pipe stem;
- 39 the hookah (*narghile, narghileh, hubble-bubble*), a pipe in which the smoke is passed through water;
- 40 the set of smokers' requisites (*fam. smoker's companion, trinity*):
- 41 the pipe-scraper
- 42 the tobacco-presser
- 43 the pipe-cleaner

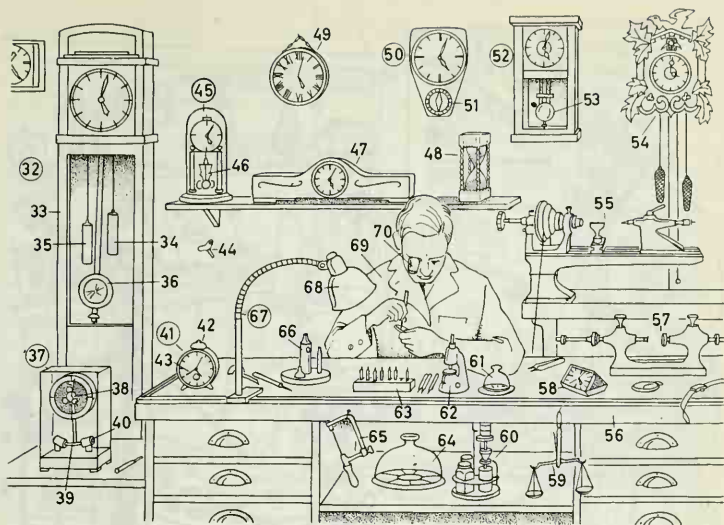


- 1 the wire and sheet roller
- 2 the draw bench
- 3 the wire [gold, or silver, wire];
- 4 the hand brace (*Am.* hand gun drill):
- 5 the drill;
- 6 the suspended (pendant) electric drilling machine:
- 7 the spherical cutter (cherry);
- 8 the melting pot:
- 9 the melting pot (crucible);
- 10 the crucible tongs
- 11 the piercing saw (frame saw):
- 12 the piercing-saw frame
- 13 the piercing-saw blade;
- 14 the soldering blowlamp
- 15 the die
- 16 the treadle (foot) blower:
- 17 the soldering disk or disc;
- 18 the swage block
- 19 the goldsmith
- 20 the work bench
- 21 the bench pan
- 22 the filing pin
- 23 the metal shears
- 24 the wedding-ring sizing machine
- 25 the ring gauge (*Am.* gage)
- 26 the ring-rounding tool
- 27 the ring size gauge (*Am.* gage)
- 28 the steel set-square
- 29 the leather pad (leather bag)
- 30 the box of punches
- 31 the punch
- 32 the magnet
- 33 the bench brush
- 34 the engraving ball (joint vice)
- 35 the gold and silver scales (assay balance)
- 36 the soldering flux
- 37 the plate of charcoal
- 38 the stick of solder
- 39 the soldering iron (soldering bit)
- 40 the soldering borax
- 41 the shaping hammer
- 42 the chasing (enchasing) hammer
- 43 the polishing and burnishing machine:
- 44 the dust-catcher (dust collector)
- 45 the polishing brush (polishing mop)
- 46 the revolution regulator
- 47 the burnishing box
- 48 the burnishing brush;
- 49 the bloodstone (red haematite, *Am.* hematite)
- 50 the tapered file
- 51 the channelling file (*Am.* channeling file; fluting file)
- 52 the polishing steel

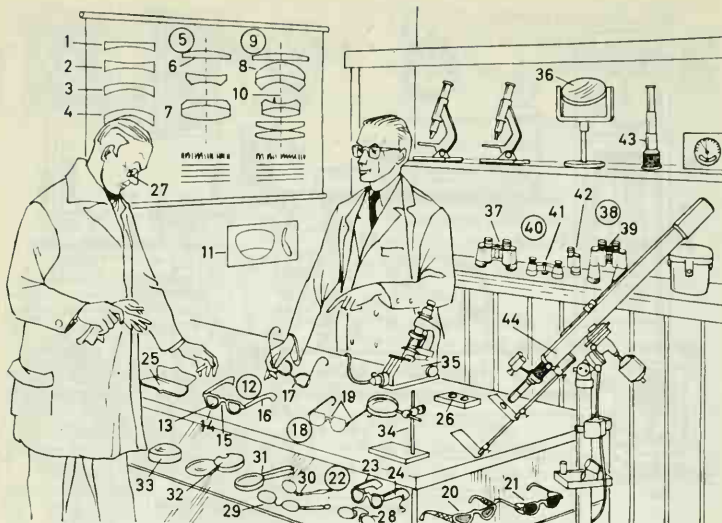
107 The Watchmaker and Clocks



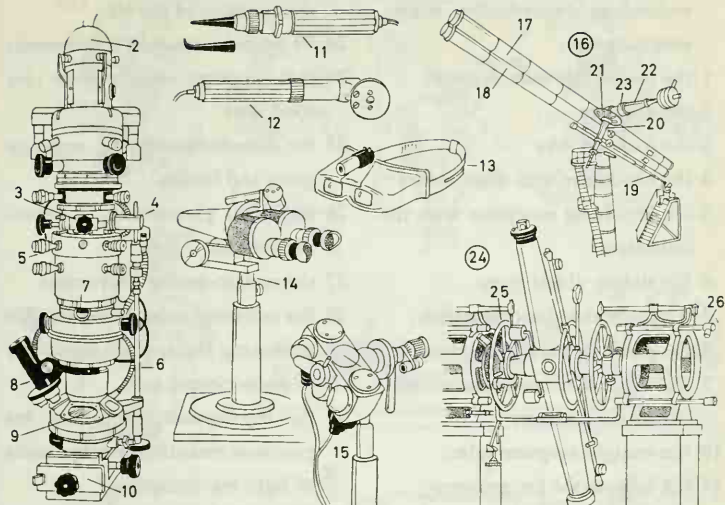
- 1 the self-winding wrist watch (wrist watch with self-winding device);
- 2 the dial (face, dial plate, dial piece, hour plate)
- 3 the figures (chapters)
- 4 the minute hand
- 5 the hour hand
- 6 the seconds hand
- 7 the watch glass (*Am.* crystal)
- 8 the watch bracelet, a watch strap;
- 9 the pocket watch (*Am.* stem winder);
- 10 the ring (bow)
- 11–13 the watch chain (watch guard):
- 11 the link
- 12 the swivel
- 13 the boltring;
- 14–26 the movement,
- 14–17 the motion work (*Am.* stem winding gear):
- 14 the button (crown)
- 15 the winding wheel (transmission wheel)
- 16 the barrel:
- 17 the mainspring (watch spring);
- 18 the click (pawl)
- 19–21 the gearing:
- 19 the minute wheel
- 20 the third wheel
- 21 the seconds wheel;
- 22 and 23 the escapement:
- 22 the escape wheel
- 23 the pallets;
- 24–26 the regulator:
- 24 the balance
- 25 the balance spring (hair spring)
- 26 the index lever (regulator lever);
- 27–31 watchmaker's tools (*Am.* findings):
- 27 the hand pliers
- 28 the graver
- 29 the screwdriver
- 30 the tweezers
- 31 the oiler;
- 32 the hall clock (grandfather clock):



- | | |
|---|--|
| 33 the clock case | 53 the compensation pendulum; |
| 34 the striking weight | 54 the cuckoo clock |
| 35 the movement weight | 55 the watchmaker's lathe (precision lathe) |
| 36 the pendulum; | 56 the work bench |
| 37 the electric clock: | 57 the pivot-buffing machine (polishing lathe, polishing head) |
| 38 the hour wheel | 58 the travelling (<i>Am.</i> traveling) alarm |
| 39 the nickel steel pendulum | 59 the gold-scales |
| 40 the permanent magnet; | 60 the cleaning apparatus for clocks and watches |
| 41 the alarm clock (alarm): | 61 the bell jar for precision instruments |
| 42 the alarm bell (bell) | 62 the riveting stand |
| 43 the hand; | 63 the punch for riveting |
| 44 the clock key (key) | 64 the work tray |
| 45 the four-hundred-day clock (annual clock): | 65 the watchmaker's saw |
| 46 the torsional pendulum; | 66 the watchmaker's anvil |
| 47 the mantel clock with striking mechanism (bracket clock) | 67 the work table lamp: |
| 48 the hour glass (sand glass) | 68 the reflector; |
| 49 the plate clock | 69 the watchmaker |
| 50 the kitchen clock: | 70 the watchmaker's eye glass (watchmaker's magnifying glass) |
| 51 the timer; | |
| 52 the wall clock (regulator): | |



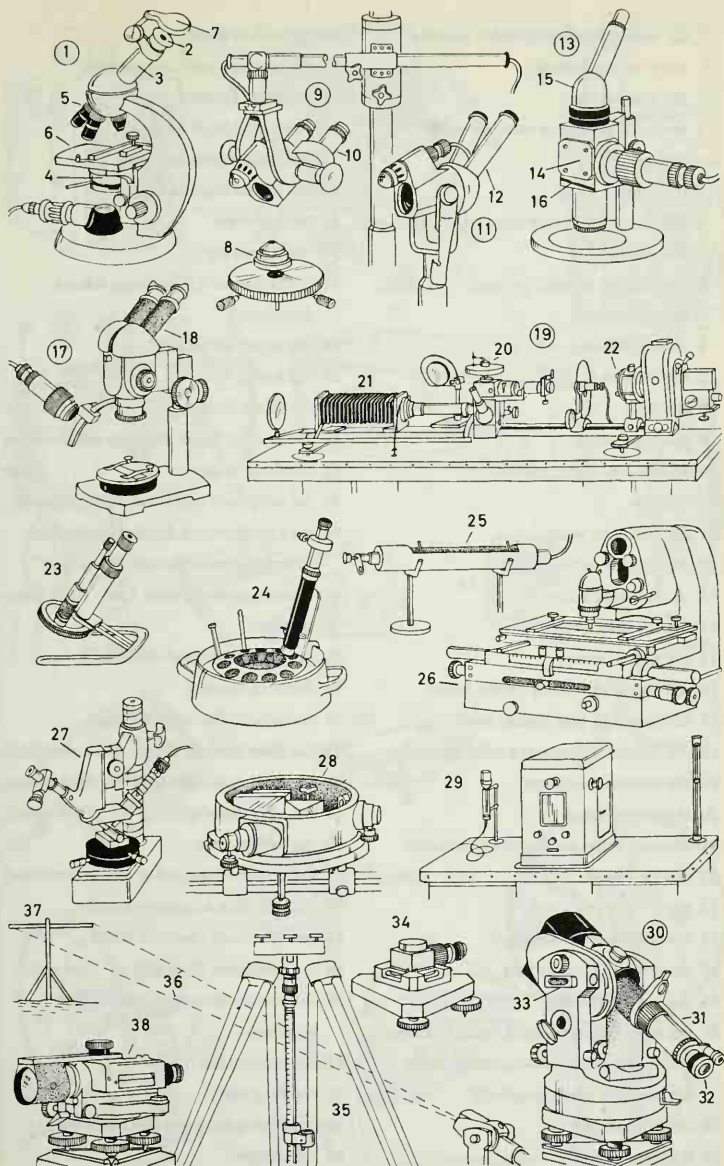
- 1-8 spherical lenses,
- 1-4 concave lenses (divergent lenses):
- 1 the plano-concave lens
- 2 the biconcave (double-concave) lens
- 3 the convexo-concave lens
- 4 the meniscus lens;
- 5-8 convex lenses (convergent lenses),
- 5 the plano-convex lens;
- 6 the plane surface;
- 7 the biconvex (double-convex) lens
- 8 the concavo-convex lens;
- 9 the optical system (system of lenses):
- 10 the axis;
- 11 the bifocal glass (two-strength glass)
- 12-24 spectacles (glasses, *coll. specs*),
- 12 the horn-rimmed glasses (horn rims):
- 13 the spectacle lens (spectacle glass)
- 14-16 the spectacle frame:
- 14 the rim of the lenses
- 15 the bridge
- 16 the side (*Am. bow*);
- 17 the metal rim
- 18 the rimless spectacles;
- 19 the bridge and sides;
- 20 the sun glasses
- 21 the blind person's glasses
- 22 the combined glasses and hearing aid:
- 23 the microphone leg (*Am. microphone bow*)
- 24 the battery leg (*Am. battery bow*);
- 25 the spectacle (glasses) case
- 26 the contact lens
- 27 the monocle (eye glass)
- 28 the pince-nez
- 29 the lorgnette
- 30 the lorgnon
- 31-34 magnifying glasses (magnifiers):
- 31 the magnifying glass with handle
- 32 the folding lens
- 33 the contact magnifier
- 34 the stand magnifying glass;
- 35 the vertex refractionometer
- 36 the concave mirror
- 37-44 telescopes and field glasses:
- 37 the field glass, binoculars
- 38 the hunting binoculars, a night glass:
- 39 the central focus(s)ing wheel;
- 40 the opera glass(es):
- 41 the bending bar;
- 42 the monocular field glass
- 43 the telescope
- 44 the amateur observation telescope



- | | |
|-----------------------------------|--------------------------------------|
| 1 the electron microscope, | 14 the cornea microscope |
| 2-10 the microscope tube: | 15 the ophthalmometer; |
| 2 the cathode-ray discharge head | 16-26 astronomical instruments, |
| 3 the door of the object chamber | 16 the refracting telescope (refrac- |
| 4 the object chamber handle | tor): |
| 5 the aperture diaphragm knob | 17 the photographic tube |
| 6 the object stage adjustment | 18 the visual tube |
| 7 the intermediate screen-viewer | 19 the finder |
| 8 the final screen-viewer | 20 the hour axis |
| 9 the telescopic magnifier | 21 the hour circle |
| 10 the photographic chamber; | 22 the declination axis |
| 11-15 ophthalmic instruments: | 23 the declination circle; |
| 11 the sclera lamp | 24 the meridian circle (transit |
| 12 the skiascope (retinoscope) | circle): |
| 13 the binocular head-band magni- | 25 the graduated scale |
| fier | 26 the reading microscope |

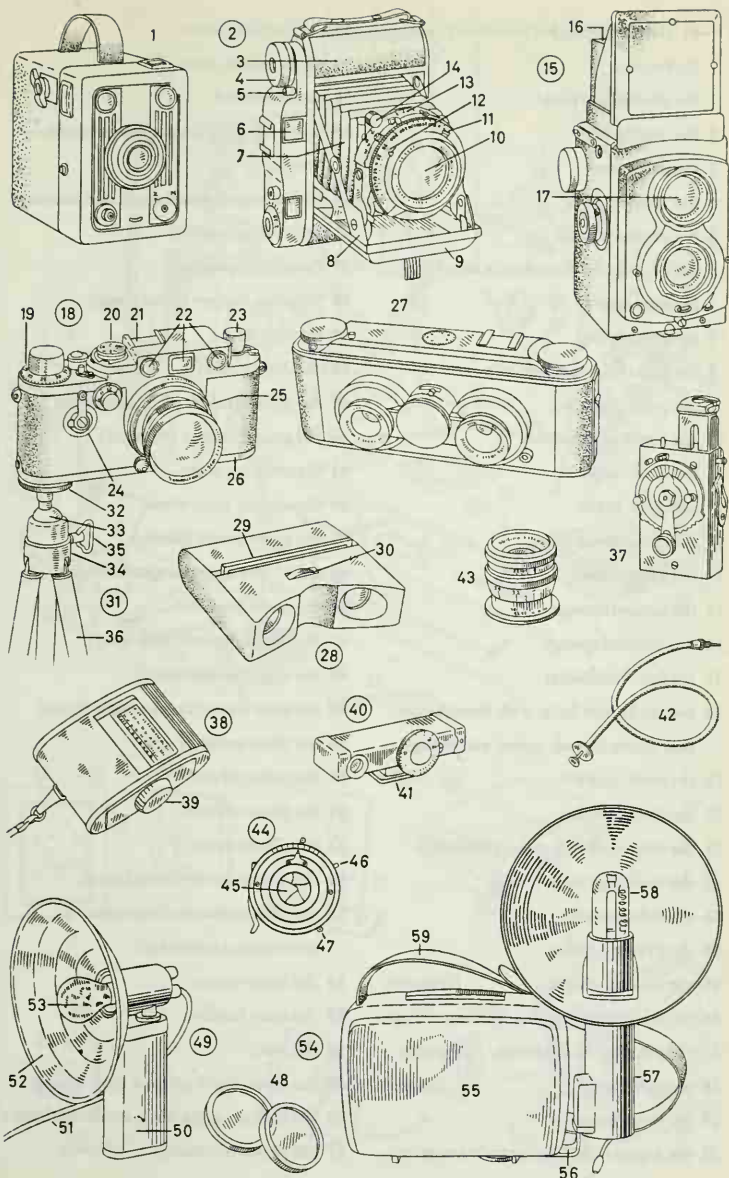
110 Optical Instruments II

- 1-23 instruments for microscopic technology (microscopy, microscopic optics),
 - 1 the monocular microscope:
 - 2 the eyepiece
 - 3 the inclined tube
 - 4 the condenser with filter holder
 - 5 the revolving nosepiece with the objectives
 - 6 the sliding object stage
 - 7 the projection drawing mirror;
 - 8 the phase contrast attachment
 - 9 the surgical microscope, a binocular microscope:
 - 10 the straight eyepiece tube;
 - 11 the colposcope for gynaecological examinations:
 - 12 the inclined eyepiece tube;
 - 13 the incident-light microscope:
 - 14 the epi-condenser
 - 15 the tube socket
 - 16 the objective slide changer;
 - 17 the stereo test microscope for microstereoscopic examinations:
 - 18 the binocular inclined twin tube;
 - 19 the camera microscope for microphotography:
 - 20 the vertical illuminator for bright-field, black-ground, and polarisation, photography
 - 21 the microscope camera
 - 22 the microscope lamp;
 - 23 the konimeter for measuring the dust content of the air;
- 24-29 optical measuring instruments:
 - 24 the dipping refractometer for food tests
 - 25 the interferometer for tests on gases and liquids
 - 26 the rapid photometer, a microphotometer
 - 27 the surface-testing instrument
 - 28 the reflecting monochromator for measuring the spectral sensibility of photoelectric cells
 - 29 the interference comparator for precision measurements by means of light wavelengths;
- 30-38 geodetic (geodesic, topographic) instruments,
 - 30 the reduction tacheometer or tachymeter (double-image range-finder) for optical distance measurement:
 - 31 the scale microscope
 - 32 the reading eyepiece
 - 33 the height-index level with coincidence-setting device
 - 34 the optical plummet
 - 35 the centering rod
 - 36 the determinant triangle
 - 37 the distance staff (base);
 - 38 the plane-table micrometer for precision height measurements in building above and below ground



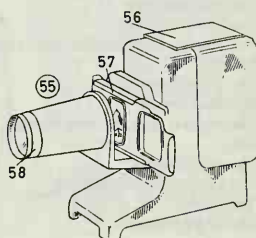
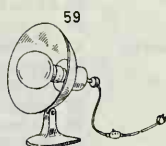
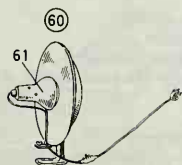
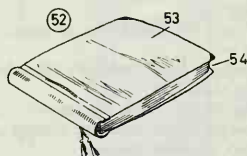
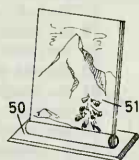
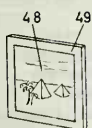
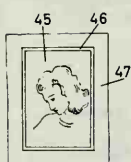
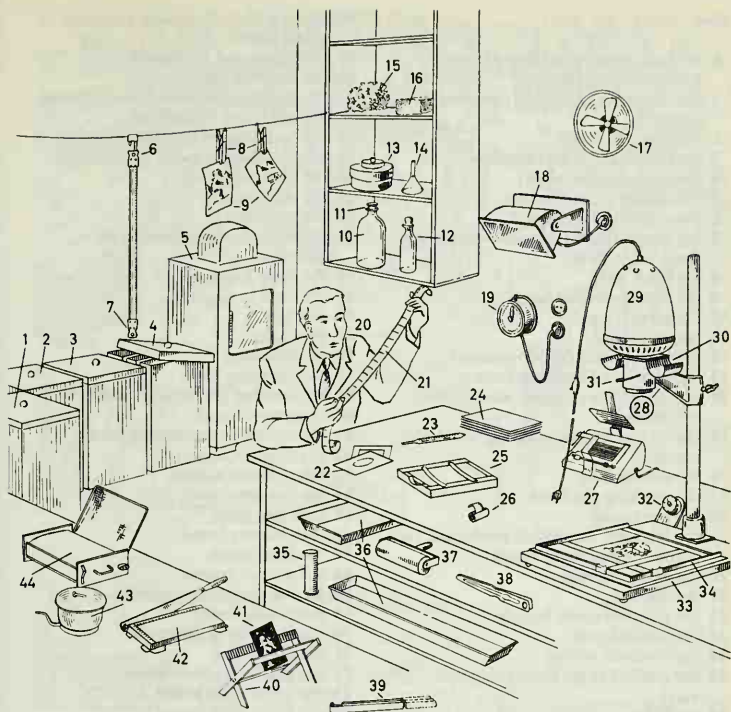
111 Photography I

- 1-27 cameras (photographic apparatuses or apparatus):
 - 1 the box camera
 - 2 the folding camera (camera with bellows):
 - 3 the body
 - 4 the film-winder (winding knob, roll-film-winder)
 - 5 the shutter release (release, *Am.* push-button release)
 - 6 the viewfinder
 - 7 the bellows
 - 8 the strut
 - 9 the baseboard;
- 10-14 the lens (lens mount):
- 10 the lens
- 11 the exposure scale
- 12 the shutter setting scale
- 13 the focusing scale
- 14 the cocking lever;
- 15 the reflex camera:
- 16 the viewfinder hood (reflex hood)
- 17 the focusing lens (finder lens);
- 18 the miniature camera, a tube camera:
- 19 the exposure-counter
- 20 the timing knob
- 21 the socket for accessories (accessory
- 22 the viewfinder [shoe)
- 23 the re-winding knob
- 24 the self-timer (autotimer)
- 25 the interchangeable lens
- 26 the removable base;
- 27 the stereoscopic camera (stereo camera, stereo) for stereophotography (three-dimensional photography);
- 28 the stereoscope:
- 29 the stereo slide
- 30 the milled wheel;
- 31-59 photographic accessories,
 - 31 the tripod (stand):
 - 32 the tripod bush or socket
 - 33 the ball-and-socket joint
 - 34 the tripod head or top
 - 35 the set screw
 - 36 the tripod leg;
 - 37 the self-timer (self-timing release, autotimer)
 - 38 the exposure meter:
 - 39 the knob;
 - 40 the range-finder:
 - 41 the bracket for fitting into the accessory
 - 42 the cable release [shoe
 - 43 the telephoto lens for telephotographs
 - 44 the synchronised diaphragm shutter (diaphragmatic shutter), an instantaneous shutter; *other kind*: focal-plane shutter:
 - 45 the diaphragm leaf or blade
 - 46 the flash contact
 - 47 the winder for the self-timer;
 - 48 the filter (colour filter, *Am.* color filter)
 - 49-59 flash units (flash-lights, flash lamps,
 - 49 the bulb flash-light: [flash guns),
 - 50 the battery case
 - 51 the connecting cord or flex (connector)
 - 52 the reflector, a concave mirror
 - 53 the flash bulb (vacuum flash);
 - 54 the electronic flash unit:
 - 55 the accumulator and the charging apparatus
 - 56 the attachment bracket
 - 57 the flash stick
 - 58 the flash tube, a gas-discharge valve
 - 59 the strap



112 Photography II

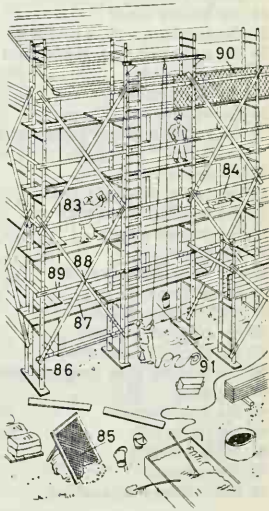
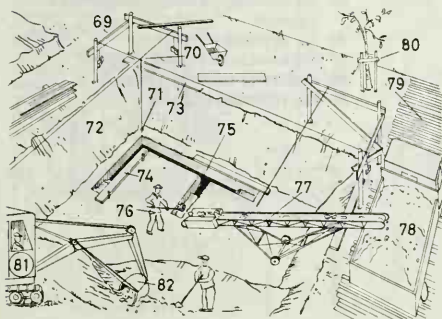
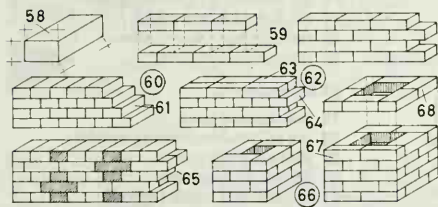
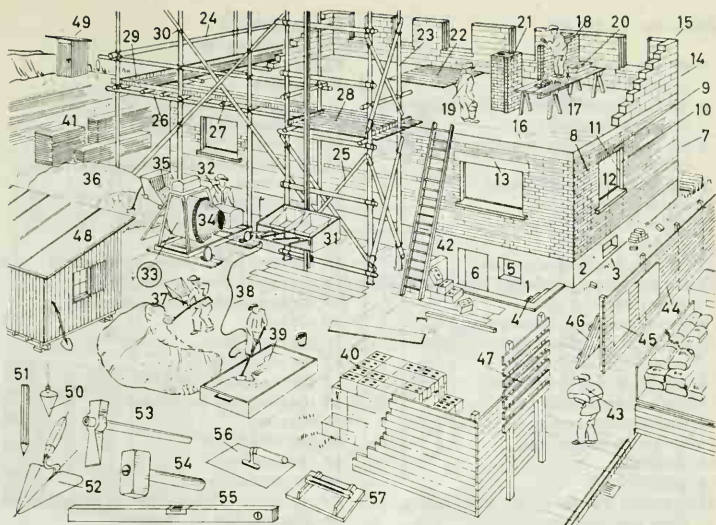
- 1-61 the photographic laboratory; *also* :
darkroom:
 - 1 the developing tank
 - 2 the rinsing tank
 - 3 the fixing tank
 - 4 the washing tank
 - 5 the drying cabinet
 - 6 the drying clip (film clip), a metal clip
for the negative
 - 7 the bottom clip
 - 8 the film clip, a wooden clip
 - 9 the print (positive)
 - 10 the bottle of chemicals
 - 11 the glass stopper
 - 12 the drop-bottle
 - 13 the developing tank
 - 14 the glass funnel
 - 15 the natural sponge
 - 16 the artificial sponge
 - 17 the fan (ventilator)
 - 18 the darkroom lamp with interchangeable
filters for red, green, and orange,
 - 19 the alarm clock [light
 - 20 the photographer
 - 21 the miniature-film strip, a film strip
 - 22 the masking frame
 - 23 the thermometer
 - 24 the printing paper
 - 25 the printing frame [(cassette)
 - 26 the miniature-film case for the roll film
 - 27 the printing-box (printer, *Am.* photo
 - 28 the enlarger: [copier)
 - 29 the lamp-house
 - 30 the negative-holder (negative-carrier)
 - 31 the focusing lever
 - 32 the exposure timer
 - 33 the baseboard
 - 34 the composing frame (enlargement
frame);
 - 35 the measuring glass (graduated measure)
 - 36 the developing dish
 - 37 the roller squeegee
 - 38 the print forceps (print tongs)
 - 39 the film-wiper
 - 40 the drying rack
 - 41 the photographic plate, a negative
 - 42 the print-trimmer (trimmer)
 - 43 the washing basin
 - 44 the electric print dryer
 - 45 the photograph (photo)
 - 46 and 47 the interchangeable mount:
 - 46 the plate-mark
 - 47 the board (mount, *Am.* mat);
 - 48 the slide (transparency)
 - 49 the slide frame (transparency frame)
 - 50 the photograph frame
 - 51 the enlargement
 - 52 the photo album:
 - 53 the album cover
 - 54 the album leaves (loose leaves);
 - 55 the slide projector (transparency
projector), a projector:
 - 56 the lamp-house
 - 57 the slide-holder
 - 58 the lens;
 - 59 the direct-light lamp, a studio lamp
 - 60 the indirect-light lamp, a reflector lamp:
 - 61 the photo floodlamp



113 The Building Site (Site) I

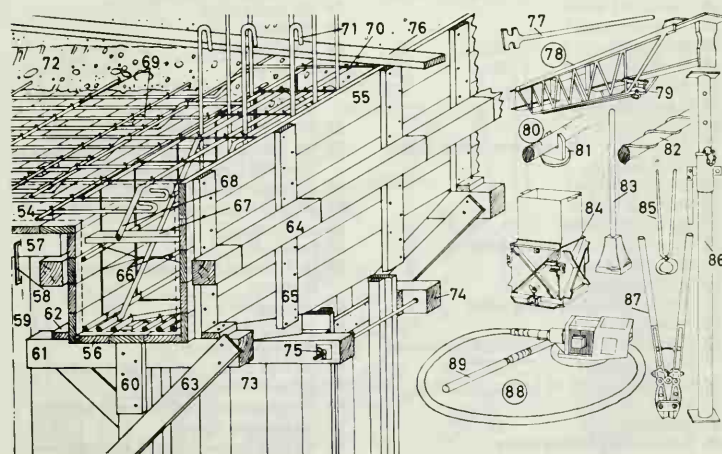
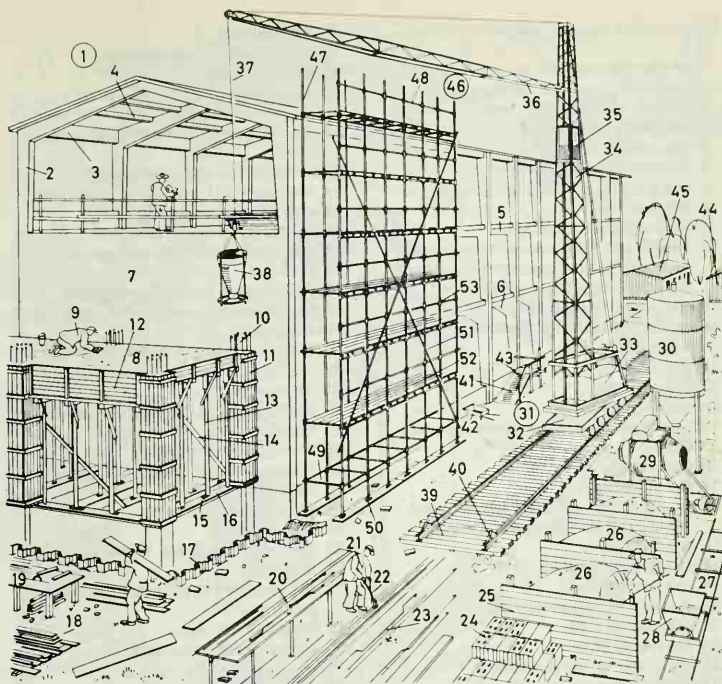
Engl. site = Am. lot

- 1-49 the carcass [building a house, house construction]:
- 1 the basement of tamped (rammed) concrete
- 2 the concrete plinth
- 3 the basement (cellar) window
- 4 the outside cellar steps
- 5 the utility room window
- 6 the utility room door
- 7 the ground floor (*Am.* first floor, street floor, main floor)
- 8 the brick wall
- 9 the lintel (window head)
- 10 the reveal (revel)
- 11 the inner jamb
- 12 the window sill (window ledge)
- 13 the reinforced concrete lintel
- 14 the upper floor (upper storey, *Am.* second floor)
- 15 the wall of hollow building (concrete) blocks
- 16 the solid ceiling
- 17 the working platform
- 18 the bricklayer
- 19 the labourer (unskilled workman, *Am.* laborer, hired man, hand)
- 20 the mortar trough
- 21 the chimney
- 22 the staircase cover boards
- 23 the scaffold pole
- 24 the platform railing
- 25 the scaffold angle brace (diagonal stay)
- 26 the ledger
- 27 the putlog
- 28 the plank platform (board platform)
- 29 the guard board
- 30 the tie bar joint with chain, or rope, lashing
- 31 the builder's hoist (builder's lift, *Am.* building elevator)
- 32 the mixer-driver (*Am.* machinist)
- 33 the concrete-mixer (concrete-mixing machine), a gravity mixer:
- 34 the mixing drum
- 35 the loading skip;
- 36 the concrete aggregate [sand and gravel]
- 37 the wheelbarrow
- 38 the water hose
- 39 the mortar pan (mortar trough, mortar tub)
- 40 the pile of bricks
- 41 the stacked lining boards
- 42 the ladder
- 43 the bag of cement
- 44 the hoarding (boarding, planking), a plank fence
- 45 the signboard (billboard)
- 46 the hingless door
- 47 the firm's name-plates (fascia boards)
- 48 the hut (shed, site office)
- 49 the building site latrine;
- 50-57 bricklayer's tools:
- 50 the plumb-bob
- 51 the thick pencil
- 52 the trowel
- 53 the tiling hammer (bricklayer's hammer)
- 54 the lump hammer
- 55 the level
- 56 the float
- 57 the patter;
- 58-68 bonding:
- 58 the common brick
- 59 the stretcher (stretching) bond
- 60 the header bond:
- 61 the setting back (racking back);
- 62 the English bond:
- 63 the stretcher course
- 64 the header course;
- 65 the cross bond
- 66 the chimney bond:
- 67 the first course
- 68 the second course;
- 69-82 the foundation trench:
- 69 the profile board
- 70 the crossing of the cords
- 71 the plumb line
- 72 the side of the excavation
- 73 the upper edge board
- 74 the lower edge board
- 75 the foundation trench
- 76 the navvy (*Am.* excavator, construction laborer)
- 77 the belt conveyor
- 78 the excavated earth
- 79 the plank roadway
- 80 the tree guard
- 81 the dragline excavator (*Am.* steam shovel):
- 82 the scoop bucket (*Am.* shovel);
- 83-91 plastering:
- 83 the plasterer
- 84 the mortar trough
- 85 the screen
- 86-89 the ladder scaffold:
- 86 the standard ladder
- 87 the boards (planks, platform)
- 88 the diagonal stay (diagonal brace, *Am.* X-brace)
- 89 the railing;
- 90 the protective screen
- 91 the rope-pulley (roller) hoist or lift



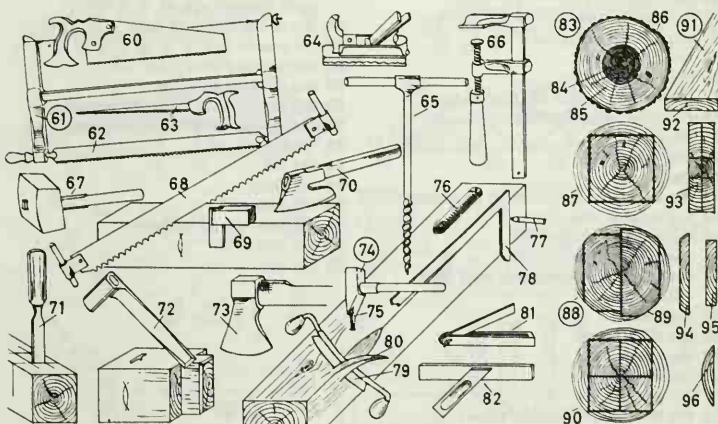
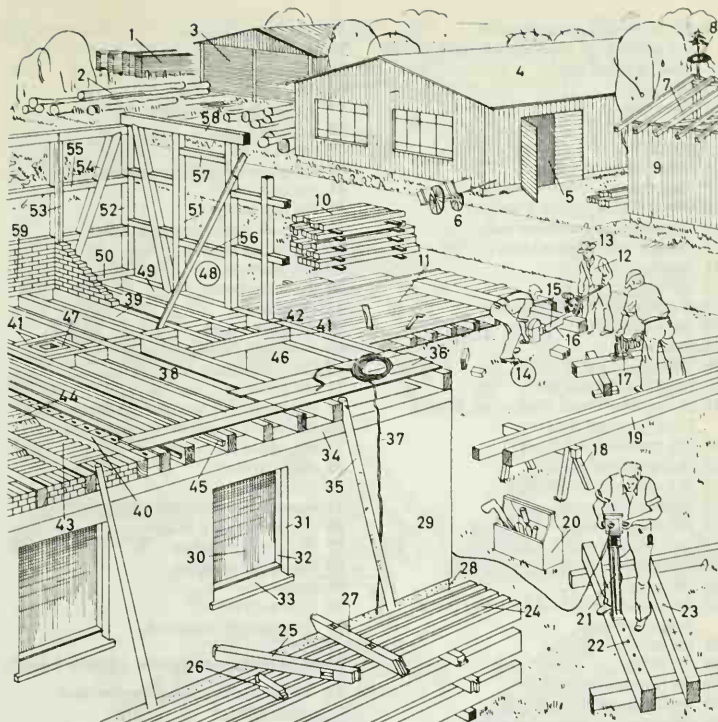
Engl. site = Am. lot

- 1-89 the reinforced-concrete (ferro-concrete) construction,
- 1 the reinforced-concrete (ferroconcrete) skeleton structure:
- 2 the reinforced-concrete (ferroconcrete) frame
- 3 the inferior purlin (beam)
- 4 the concrete purlin
- 5 the ceiling joist
- 6 the arch (flank);
- 7 the cast in situ concrete wall
- 8 the reinforced-concrete (ferroconcrete) ceiling or floor slab
- 9 the concretor, flattening-out
- 10 the reinforcement rods (reinforcement bars)
- 11 the shuttering (formwork)
- 12 the joist shuttering
- 13 the shuttering strut
- 14 the diagonal bracing
- 15 the wedge
- 16 the plank
- 17 the sheet wall (pile wall, sheet piling, sheet-pile bulkhead)
- 18 the lining boards
- 19 the circular saw (*Am.* buzz saw)
- 20 the bending table
- 21 the steel-bender
- 22 the hand steel-cutters or shears
- 23 the reinforcement rods (reinforcement bars)
- 24 the hollow block
- 25 the partition wall, a partition
- 26 the aggregate [gravel and sand of various grades]
- 27 the crane track
- 28 the tipping truck (tipper)
- 29 the concrete-mixer (concrete-mixing machine)
- 30 the cement silo
- 31 the tower slewing crane:
- 32 the bogie (*Am.* truck)
- 33 the counterweight
- 34 the tower
- 35 the crane-driver's cabin
- 36 the jib (boom)
- 37 the carrying cable
- 38 the concrete bucket;
- 39 the sleepers (*Am.* ties)
- 40 the braking shoe (braking block)
- 41 the ramp
- 42 the wheelbarrow
- 43 the guard rail
- 44 the hut (shed)
- 45 the canteen
- 46 the tubular-steel scaffold:
- 47 the standard
- 48 the ledger tube
- 49 the tie tube
- 50 the shoe
- 51 the diagonal brace
- 52 the planking (platform)
- 53 the joint;
- 54-76 formwork (shuttering) and reinforcement:
- 54 the bottom shutter
- 55 the side shutter of a joist
- 56 the cut-in bottom
- 57 the cross piece (supporting beam)
- 58 the cramp iron (cramp, dog)
- 59 the upright member, a standard
- 60 the strap
- 61 the cross piece
- 62 the stop fillet
- 63 the diagonal board
- 64 the frame timber (yoke)
- 65 the strap
- 66 the wire brace
- 67 the cross strut
- 68 the reinforcement
- 69 the distance piece (spacing piece)
- 70 the cross bar
- 71 the connecting rod
- 72 the concrete (heavy concrete)
- 73 the sheathing of the supports
- 74 the bolted frame wood
- 75 the bolt with thumb nut
- 76 the sheathing board;
- 77-89 tools:**
- 77 the bending iron
- 78 the adjustable sheeting-carrier:
- 79 the adjusting screw;
- 80 the round-bar steel:
- 81 the distance block (spacer);
- 82 the Tor steel
- 83 the concrete-tamper (concrete-rammer)
- 84 the form for sample cubes
- 85 the concretor's tongs (concretor's nippers)
- 86 the sheeting support
- 87 the hand iron-cutters or shears
- 88 the in situ concrete vibrator:
- 89 the vibrating cylinder

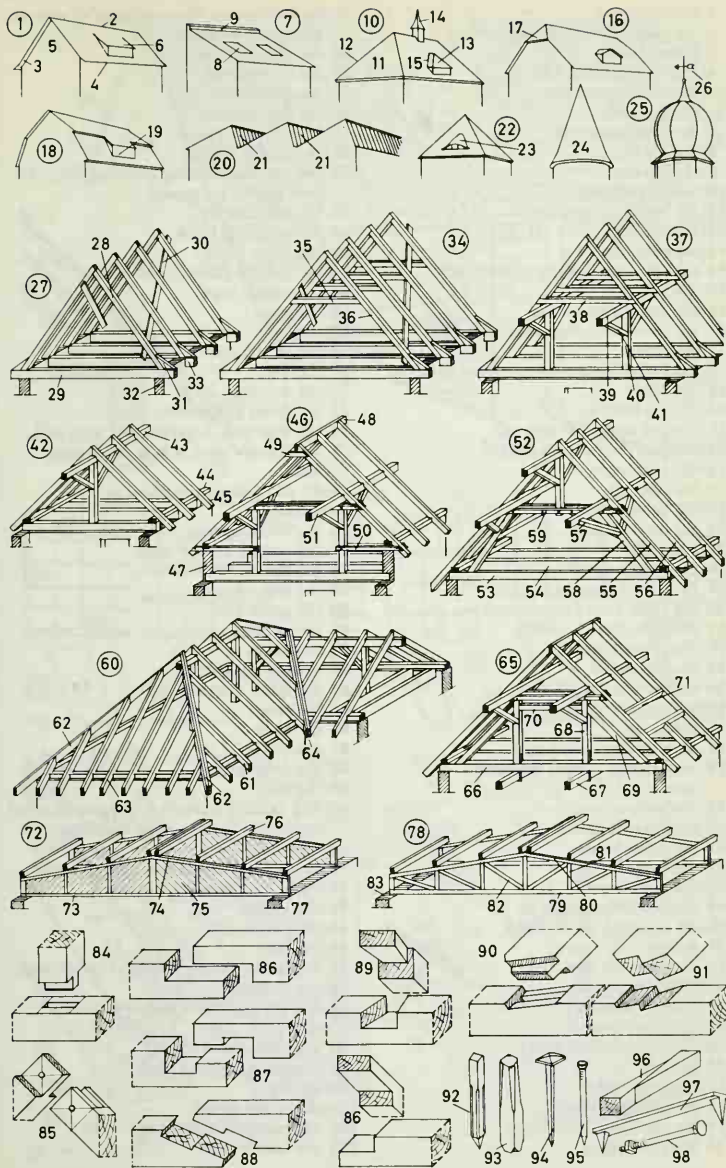


Engl. timber = *Am.* lumber or timber

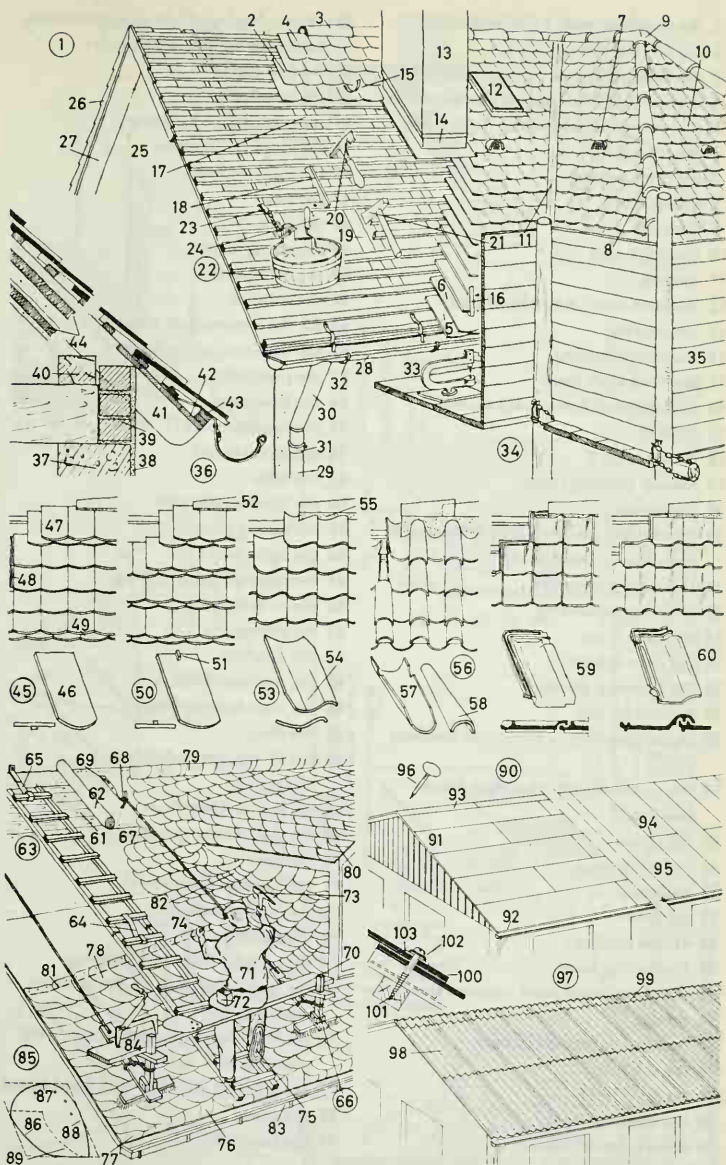
- 1-59 the timber yard (carpenter's yard, timber-fitting yard, fitting yard):
- 1 the pile of boards
- 2 long logs (long wood)
- 3 the sawing shed
- 4 the carpenter's workshop
- 5 the workshop door
- 6 the hand cart
- 7 the roof truss (principal)
- 8 a small tree with crown (wreath and ribbons), to celebrate erection of roof [*in Engl.* 'topping out']
- 9 the boarding (planking)
- 10 scantlings (rectangular timber, building timber)
- 11 the drawing floor
- 12 the carpenter
- 13 the carpenter's hat
- 14 the cross-cut (bucking) saw, a chain saw:
- 15 the traverse
- 16 the saw chain;
- 17 the mortising machine (chain cutter moulding machine, *Am.* molding machine)
- 18 the horse (trestle)
- 19 the trestled beam
- 20 the set of carpenter's tools
- 21 the electric drill
- 22 the dowel hole
- 23 the mark for the dowel hole
- 24 the timber to be joined
- 25 the stile (post, principal post, stud)
- 26 the corner brace
- 27 the brace (strut)
- 28 the plinth
- 29 the house wall
- 30 the window opening
- 31 the reveal (revel)
- 32 the jamb
- 33 the window sill (window ledge, ledge)
- 34 the cornice
- 35 the round wood
- 36 the floor boards
- 37 the hoisting rope
- 38 the ceiling joist (main beam)
- 39 the wall joist
- 40 the wall plate
- 41 the trimmer (trimming joist)
- 42 the tie piece
- 43 the inserted (intermediate, false, sound-boarded) floor
- 44 the floor filling of breeze, fine slag etc.
- 45 the fillet
- 46 the opening for the stairs
- 47 the chimney
- 48 the timber-framed wall:
- 49 the wall plate
- 50 the summer
- 51 the window jamb
- 52 the corner stile (corner strut, corner stud)
- 53 the head post (quarter post)
- 54 the brace with mortise (with mortice)
- 55 the cross bar (nogging piece)
- 56 the sill rail (breast rail)
- 57 the window lintel (window head)
- 58 the head
- 59 the filled-up pan or bay or panel;
- 60-82 carpenter's tools (*Am.* carpenter's findings):
- 60 the half-rip (hand, panel) saw
- 61 the bow (frame, span) saw:
- 62 the saw blade;
- 63 the compass (lock, pad, keyhole) saw
- 64 the plane
- 65 the auger (gimlet)
- 66 the screw clamp (cramp, hold-fast)
- 67 the mallet
- 68 the two-handled saw
- 69 the try square
- 70 the broad axe (*Am.* broad ax)
- 71 the chisel
- 72 the mortise axe (mortice axe, *Am.* mortise ax)
- 73 the axe (*Am.* ax)
- 74 the carpenter's hammer:
- 75 the claw head;
- 76 the folding rule
- 77 the carpenter's pencil
- 78 the iron square
- 79 the draw knife
- 80 the shaving
- 81 the bevel
- 82 the mitre square (*Am.* miter square, miter angle);
- 83-96 building timber,
- 83 the round trunk (unconverted timber, *Am. and Can.* rough lumber):
- 84 the heartwood (duramen)
- 85 the sap (sapwood, alburnum)
- 86 the bark;
- 87 baulk
- 88 half timber (*Am. and Can.* shiplapped lumber):
- 89 wane, waney edge;
- 90 quarter timber
- 91 the plank (board):
- 92 the end-grain (cross-grain) timber;
- 93 the heartwood plank
- 94 the unsquared (untrimmed) board
- 95 the squared board
- 96 the slab (outside board, paling)



- 1-26 styles and parts of roofs,
 - 1 the gable roof (saddleback roof, saddle roof), a ridge roof;
 - 2 the ridge
 - 3 the verge
 - 4 the eaves
 - 5 the gable
 - 6 the dormer window;
 - 7 the pentroof (lean-to roof);
 - 8 the skylight (garret window)
 - 9 the fireproof partition wall;
 - 10 the hip roof (hipped roof):
 - 11 the hipped end
 - 12 the hip
 - 13 the hipped dormer window
 - 14 the ridge turret
 - 15 the valley;
 - 16 the hipped gable roof:
 - 17 the hipped gable end;
 - 18 the mansard roof (curb roof, French roof, gambrel roof):
 - 19 the mansard window;
 - 20 the saw-tooth roof:
 - 21 the top light (north light);
 - 22 the pavilion roof:
 - 23 the dormer window;
 - 24 the conical broach roof
 - 25 the imperial roof (domed roof):
 - 26 the vane;
- 27-83 wooden roofs and trusses (roof timberwork),
 - 27 the rafter roof:
 - 28 the rafter
 - 29 the beam of the roof
 - 30 the diagonal tie (cross tie)
 - 31 the chantlate (sprocket piece)
 - 32 the outer wall
 - 33 the beam head;
 - 34 the collar-beam roof:
 - 35 the collar beam
 - 36 the rafter;
 - 37 the strutted collar-beam roof truss:
 - 38 the collar beams or ties
 - 39 the purlin
 - 40 the post (stud)
 - 41 the brace;
 - 42 the king-post (unstrutted) roof truss:
 - 43 the ridge purlin
 - 44 the inferior purlin
 - 45 the rafter head;
 - 46 the queen-post (strutted) roof truss with jamb:
 - 47 the jamb
 - 48 the ridge board
 - 49 the simple tie
 - 50 the double tie
 - 51 the purlin;
 - 52 the strutted purlin roof truss:
 - 53 the tie beam
 - 54 the ceiling joist
 - 55 the principal rafter
 - 56 the common rafter
 - 57 the angle brace (angle tie)
 - 58 the brace (strut)
 - 59 the ties;
 - 60 the hip roof with purlin roof truss:
 - 61 the jack rafter
 - 62 the hip rafter
 - 63 the jack rafter (hip jack rafter)
 - 64 the valley rafter;
 - 65 the queen truss:
 - 66 the main beam
 - 67 the summer
 - 68 the queen post
 - 69 the brace (strut)
 - 70 the collar beam
 - 71 the trimmer;
 - 72 the solid-web wooden girder or truss:
 - 73 the lower (bottom) member or chord
 - 74 the upper member
 - 75 the boarding
 - 76 the purlin
 - 77 the supporting outer wall;
 - 78 the framework truss:
 - 79 the lower member
 - 80 the upper member
 - 81 the post
 - 82 the brace (strut)
 - 83 the bearing (support);
- 84-98 woodwork joints (timber joints):
 - 84 the simple mortice (mortise) and tenon joint
 - 85 the forked mortice (mortise) and tenon joint (forked tenon)
 - 86 the straight halved joint
 - 87 the scarf joint
 - 88 the oblique scarf joint
 - 89 the dovetail halving
 - 90 the bevel shoulder (skew) notch
 - 91 the double bevel shoulder notch
 - 92 the wood nail
 - 93 the pin
 - 94 the clout
 - 95 the wire nail
 - 96 the hard-wood wedges
 - 97 the dog
 - 98 the bolt

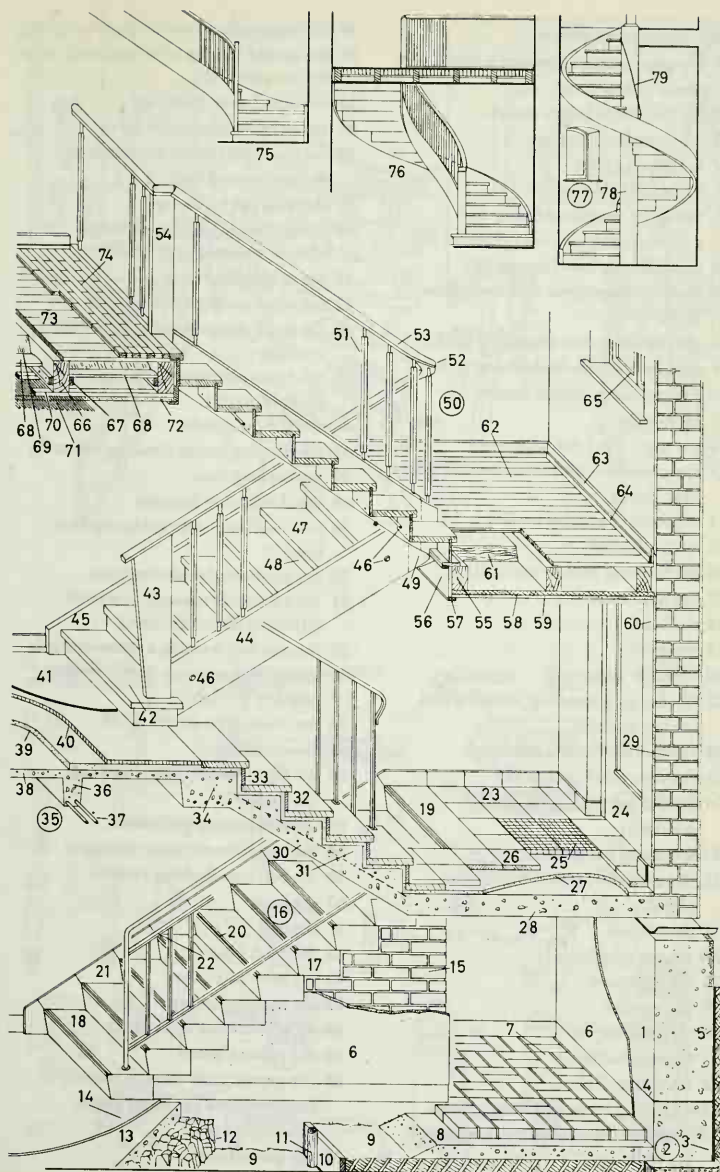


- 1 the tiled roof:
- 2 the plain-tile double-lap roofing
- 3 the ridge tile
- 4 the ridge-course tile
- 5 the under-eaves tile
- 6 the plain tile
- 7 the ventilation tile
- 8 the hip tile
- 9 the hip cap
- 10 the hipped end
- 11 the valley gutter;
- 12 the skylight
- 13 the chimney
- 14 the chimney flashing of sheet zinc
- 15 the ladder hook
- 16 the snow guard hook
- 17 the battens (slating and tiling battens)
- 18 the batten gauge (*Am.* batten gage)
- 19 the rafter
- 20 the tile hammer
- 21 the lath axe (*Am.* lath ax)
- 22 the hod (builder's trough):
- 23 the hod hook;
- 24 the opening
- 25 the gable end
- 26 the toothed lath
- 27 the soffit
- 28 the gutter
- 29 the gutter pipe (rain pipe)
- 30 the swan's neck (swan-neck)
- 31 the pipe clip
- 32 the gutter bracket
- 33 the tile-cutter
- 34 the working scaffold:
- 35 the protective wall;
- 36 the eaves:
- 37 the outside (outer) wall
- 38 the external plaster (external rendering)
- 39 the built-up wall
- 40 the inferior purlin
- 41 the rafter head
- 42 the eaves lining
- 43 the double (tilting) lath
- 44 the insulating plates;
- 45-60 tiles and tile roofings,
- 45 the split-tiled roof:
- 46 the plain tile (flat tile)
- 47 the ridge course
- 48 the slip (shingle)
- 49 the eaves course;
- 50 the high-pitched roof:
- 51 the nib
- 52 the ridge tile;
- 53 the pantiled roof:
- 54 the pantile
- 55 the pointing;
- 56 the half-round tile roof (roof of convex and concave tiles):
- 57 the concave tile
- 58 the convex tile;
- 59 the gutter tile
- 60 the flap pantile;
- 61-89 the slate roof:
- 61 the roof boarding
- 62 the felt underlining (roofing felt, *Am.* roof paper, tar paper)
- 63 the roof ladder:
- 64 the coupling hook
- 65 the ridge hook;
- 66 the slater's plank (roof trestle):
- 67 the trestle rope
- 68 the knot
- 69 the ladder hook;
- 70 the trestle plank
- 71 the slater
- 72 the nail bag
- 73 the slater's hammer
- 74 the slate nail, a galvanized wire nail
- 75 the slater's shoe, a bast, or hemp, shoe
- 76-82 old-German method of roof-slating:
- 76 the eaves course
- 77 the corner bottom slate
- 78 the roof course
- 79 the ridge course
- 80 the gable slate
- 81 the tail line
- 82 the valley;
- 83 the trough gutter
- 84 the slater's shears
- 85 the slate:
- 86 the back
- 87 the head
- 88 the front edge
- 89 the tail;
- 90-103 asphalt (tarred) impregnated paper roofing and corrugated asbestos-cement roofing,
- 90 the asphalt impregnated paper roof:
- 91 the width [parallel to gutter]
- 92 the gutter
- 93 the ridge
- 94 the join
- 95 the width [at right angles to gutter];
- 96 the clout nail
- 97 the corrugated asbestos-cement roof:
- 98 the corrugated sheet
- 99 the ridge capping piece
- 100 the lap
- 101 the wood screw
- 102 the rust-proof zinc cup
- 103 the lead washer



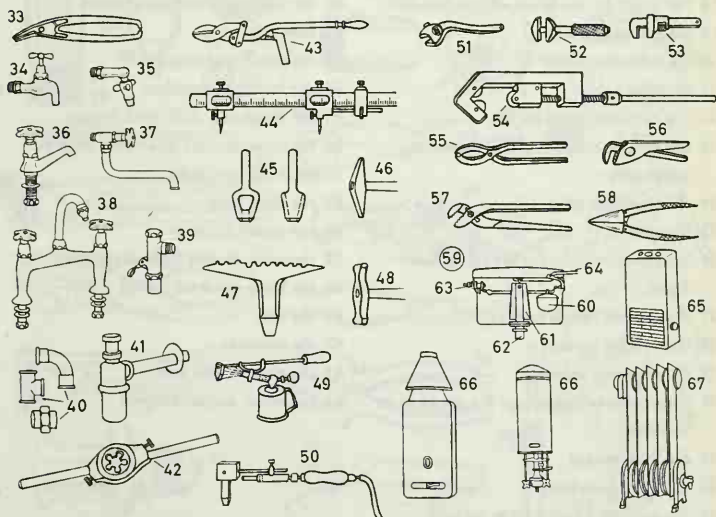
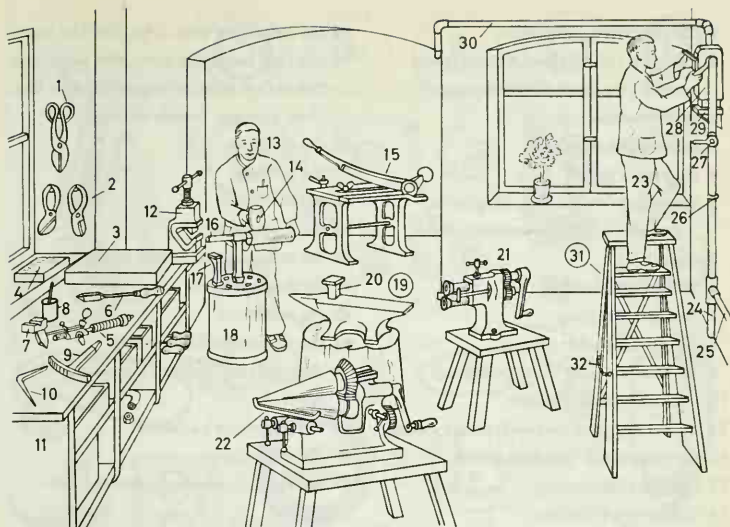
118 Floor, Ceiling, Staircase Construction

- 1 the basement wall, a concrete wall
- 2 the footing (foundation):
- 3 the foundation base;
- 4 the horizontal dampproof (damp) course
- 5 the waterproofed coating (seal)
- 6 the rendering
- 7 the brick paving
- 8 the sand bed
- 9 the earth
- 10 the side board
- 11 the peg
- 12 the hard core (*Am.* telford base)
- 13 the oversite
- 14 the cement paving
- 15 the brickwork base
- 16 the basement stairs, solid stairs:
- 17 the step
- 18 the first step
- 19 the top (landing) step
- 20 the nosing
- 21 the skirting (skirting board, baseboard, mop board, washboard);
- 22 the metal balustrade
- 23 the staircase landing
- 24 the front door
- 25 the door scraper
- 26 the flagstone paving
- 27 the mortar bed
- 28 the solid ceiling, a reinforced-concrete slab
- 29 the ground-floor (*Am.* first floor) brick wall
- 30 the ramp
- 31 the wedge step
- 32 the tread
- 33 the riser
- 34-41 the landing:
- 34 the landing beam
- 35 the ribbed reinforced-concrete floor:
- 36 the rib
- 37 the steel-bar reinforcement
- 38 the subfloor;
- 39 the level layer
- 40 the finishing layer
- 41 the top (tread) layer;
- 42-44 the dog-legged (dog-leg) staircase, a staircase without a well hole:
- 42 the first step
- 43 the newel post
- 44 the outer (outside) string;
- 45 the inner (wall) string
- 46 the staircase holt
- 47 the tread
- 48 the riser
- 49 the string wreath
- 50 the balustrade:
- 51 the baluster
- 52-62 the intermediate landing:
- 52 the baluster (handrail) bend
- 53 the hand-rail;
- 54 the head post
- 55 the landing beam
- 56 the lining board
- 57 the fillet
- 58 the light-weight slab
- 59 the ceiling plaster
- 60 the wall plaster
- 61 the inserted (false) ceiling
- 62 the strip flooring;
- 63 the skirting
- 64 the quadrant
- 65 the staircase window
- 66 the main landing beam
- 67 the fillet
- 68 and 69 the inserted (false) ceiling:
- 68 the intermediate floor
- 69 the floor filling (pugging);
- 70 the laths
- 71 the lathing (plaster key)
- 72 the ceiling plaster
- 73 the subfloor
- 74 the parquet floor with pugging
- 75 the quarter-newelled (*Am.* quarter-neweled) stairs
- 76 the winding (corkscrew, spiral, well) staircase with well hole
- 77 the winding staircase with solid newel:
- 78 the newel
- 79 the handrail



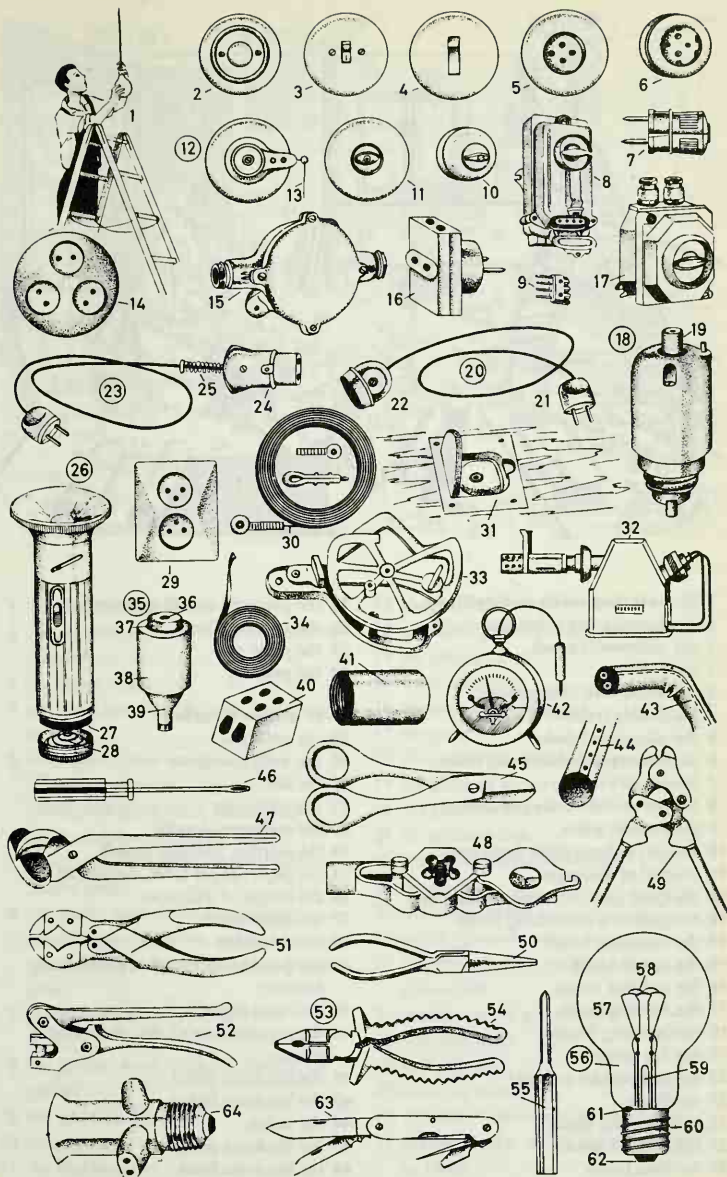
Engl. tap = Am. faucet

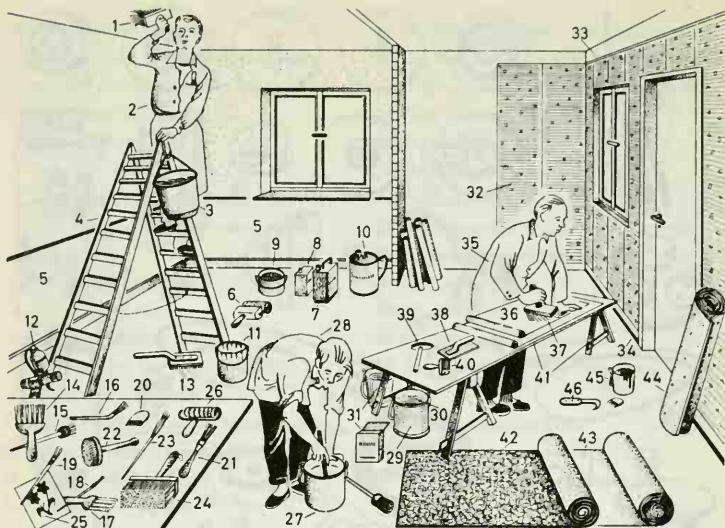
- 1 the plate shears (tinsmith's snips, *Am.* tinner's shears)
- 2 the bent snips (angle shears)
- 3 the straightening plate
- 4 the lapping plate
- 5-8 the soldering tools:
- 5 the spirit heated soldering iron,
a hatchet soldering iron (hatchet bit)
- 6 the soldering iron (copper bit)
- 7 the soldering stone, a sal-ammoniac
block
- 8 the soldering flux (soldering fluid);
- 9 the beading iron for forming rolls
- 10 the angular reamer, a reamer
- 11 the bench
- 12 the pipe vice (*Am.* pipe vise)
- 13 the plumber (tinsmith, tinman, tinker,
Am. tinner)
- 14 the mallet (wooden mallet)
- 15 the guillotine
- 16 the forming iron or mandrill
- 17 the head stake
- 18 the block
- 19 the anvil:
- 20 the beck iron;
- 21 the flanging, beading, swaging and
wiring machine
- 22 the funnel-forming machine
- 23 the pipe-fitter (gas-fitter)
- 24-30 the gas pipe (*Am.* gas
conduit):
- 24 the rising gas pipe
- 25 the secondary pipe (distributing
pipe)
- 26 the bracket
- 27 the gas plug-cock
- 28 the gas meter
- 29 the bracket
- 30 the pipeline;
- 31 the step ladder:
- 32 the safety chain;
- 33-67 fitting tools and fitting parts:
- 33 the snips for cutting holes, a pair of
curved shears
- 34 the draw-off tap (water tap, bib tap, tap)
- 35 the special bib tap with underseat valve
for rewashing
- 36 the raised nose pillar tap
- 37 the swivel outlet angle valve
- 38 the the swivel outlet combination
fitting (hot and cold)
- 39 the flushing valve
- 40 the malleable iron pipe fittings
(elbow, tee and boiler union)
- 41 the anti-syphon trap
- 42 the tread cutting stock and die
- 43 the stock shears (bench shears) with
leverage
- 44 the beam compasses (trammels, *Am.*
beam trammel)
- 45 the hollow punch
- 46 the beading swage (beading hammer)
- 47 the beading iron
- 48 the chamfering hammer
- 49 the blowlamp with soldering iron
bracket
- 50 the gas-heated soldering iron
- 51 the adjustable spanner or wrench
(clyburn) [Swedish form]
- 52 the monkey wrench, a screw-spanner
- 53 the shifting spanner (screw wrench,
monkey wrench)
- 54 the wheel pipe-cutter
- 55 the gas pliers
- 56 the pipe wrench (gas-pipe tongs
'footprints')
- 57 the adjustable pipe wrench
- 58 the lead-pipe expander (turnpin)
- 59 the bell type flushing cistern:
- 60 the float
- 61 the bell
- 62 the flush pipe
- 63 the inlet ballvalve
- 64 the flushing lever;
- 65-67 gas-heating apparatus:
- 65 the radiant heater
- 66 the geyser (non-storage heater), an
instantaneous gas water heater
(multi-point)
- 67 the gas radiator



120 The Electrician

- 1 the electrician (wireman)
- 2 the light, bell, or door, button (press button, *Am.* push-button contact)
- 3 and 4 switches:
- 3 the tumbler switch
- 4 the rocker switch;
- 5 the socket (wall socket, plug point, *Am.* wall outlet, convenience outlet, outlet)
- 6 the three-pin socket
- 7 the three-pin plug
- 8 the switch-socket outlet
- 9 the four-pin plug (four-pole plug)
- 10 the surface rotary switch
- 11 the flush (panel, recessed) rotary switch
- 12 the pull switch (pendant switch):
- 13 the pull switch cord;
- 14 the three-way socket
- 15 the damp-proof junction box with hinged lid
- 16 the three-way multiple plug
- 17 the switch in cast-iron box
- 18 the screw-in miniature circuit-breaker:
- 19 the resetting button;
- 20 the extension cord:
- 21 the plug
- 22 the extension cord socket;
- 23 the flexible cord (flex) for connecting appliances:
- 24 the appliance plug
- 25 the spring;
- 26 the electric torch (pocket torch, flashlight):
- 27 the dry cell (torch battery)
- 28 the contact spring;
- 29 the two-way socket
- 30 the steel drawing-in tape for drawing in the wire
- 31 the floor socket
- 32 the spirit blowlamp
- 33 the conduit-bender (*Am.* hickey)
- 34 the insulating tape (*Am.* friction tape)
- 35 the fuse (cartridge fuse, *Am.* plug-type cut-out), a fuse cartridge with fuse link (fuse element, fusible element):
- 36 the indicator
- 37 the fuse cap
- 38 the fuse body
- 39 the fuse contact;
- 40 the two-way connecting block
- 41 the conduit sleeve
- 42 the voltmeter
- 43 the wire in flexible conduit
- 44 the insulating conduit (insulating tube)
- 45 the electrician's scissors
- 46 the screwdriver
- 47 the conduit-bending pincers (*Am.* hickey)
- 48 the die stock for threading solid conduit
- 49 the cable shears
- 50 the round-nose pliers
- 51 the insulation-stripping pliers
- 52 the eyelet pliers
- 53 the combination pliers:
- 54 the insulated handles;
- 55 the Rawlplug drill, with holder
- 56 the incandescent (filament) lamp or bulb (electric bulb):
- 57 the glass bulb
- 58 the coiled filament
- 59 the exhaust tube (exhaust tubing)
- 60 the lamp cap with thread
- 61 the seal
- 62 the contact;
- 63 the electrician's knife
- 64 the screw socket adapter





1-28 painting walls and ceilings,

1-3 whitewashing (distemping):

- 1 the whitewash brush
- 2 the painter
- 3 the whitewash (distemper);
- 4 the double (painter's) ladder
- 5 the oil-painted dado
- 6 the distemper (whitewash) roller
- 7 the can of varnish
- 8 the can of turpentine (*coll. turps*)
- 9 the powder paint
- 10 the tin of glossy paint (top coat)
- 11 the pail of distemper
- 12 the spray gun (air brush, paint spray)
- 13 the painter's smoothing brush
- 14 the marbling brush
- 15 the round brush
- 16 the radiator brush
- 17 the veining brush
- 18 the lettering brush
- 19 the flat brush
- 20 the badger-hair softener
- 21 the liners
- 22 the stippling brush
- 23 the gilder's brush
- 24 the lime brush

25 the painter's stencil (pattern)

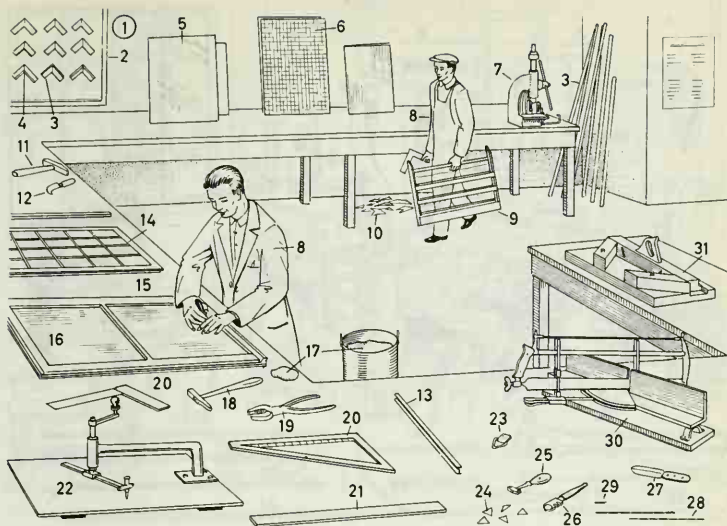
26 the stencil roller

27 the paint pail

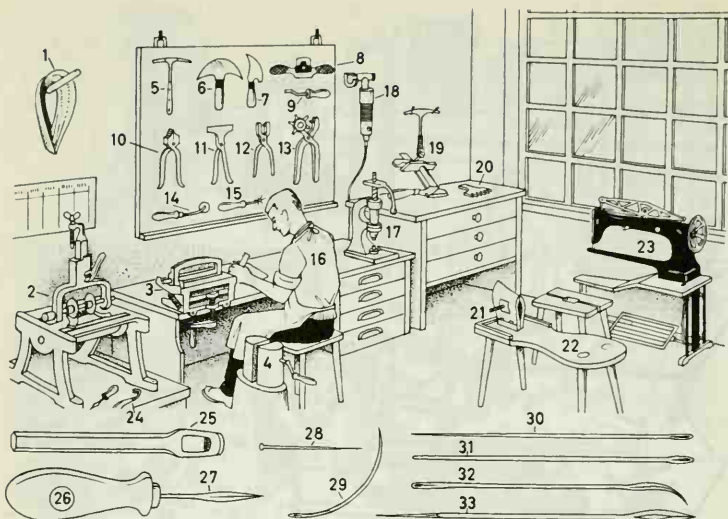
28 the painter;

29-41 paperhanging:

- 29 the paste pot
- 30 the wallpaper paste
- 31 the size
- 32 the wallpaper
- 33 the wallpaper border
- 34 the skirting (skirting board)
- 35 the paperhanger (*Am. decorator*)
- 36 the length of wallpaper
- 37 the paste-brush
- 38 the smoother
- 39 the paperhanger's (*Am. decorator's*) hammer
- 40 the seam roller
- 41 the paperhanger's (*Am. decorator's*) trestle;
- 42 the linoleum (lino)
- 43 the linoleum lining
- 44 the balata
- 45 the linoleum putty
- 46 the linoleum knife

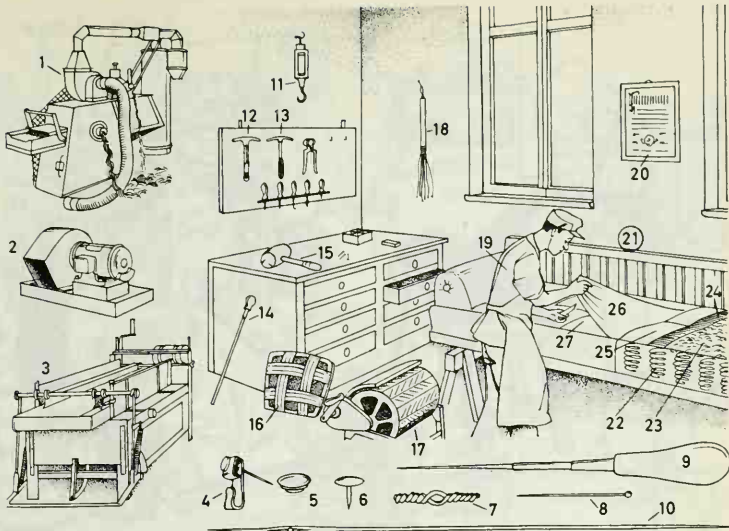


- 1 the glazier's workshop;
- 2 the samples of frame wood (samples of frames)
- 3 the frame wood
- 4 the mitre joint (mitre, *Am.* miter joint, miter)
- 5 sheet glass; *kinds*: window glass, frosted glass, muslin glass, crystal (flint) plate glass, thick glass, opaque (milk, alabaster) glass, compound glass, armoured (*Am.* armored) glass (safety glass)
- 6 cast glass; *kinds*: stained glass, ornamental glass, raw glass, bull's-eye glass, reinforced glass, line glass (lined glass)
- 7 the transom mitre (*Am.* transom miter)
- 8 the glazier; *kinds*: building glazier, art glazier
- 9 the glass holder (frail)
- 10 broken glass
- 11 the lead hammer
- 12 the lead knife
- 13 the came (grooved rod of cast lead)
- 14 the leaded lights
- 15 the work bench
- 16 the pane (pane of glass)
- 17 the putty
- 18 the glazier's hammer (tack hammer)
- 19 the glazier's pincers (tower pincers)
- 20 the glazier's square
- 21 the glazier's lath
- 22 the glazier's beam compass
- 23 the eyelet
- 24 the wedge sprig
- 25 and 26 glass-cutters:
- 25 the glazier's diamond glass-cutter, a glass-cutter
- 26 the steel-wheel glass-cutter;
- 27 the putty knife
- 28 the sprig wire
- 29 the sprig (sprig pin)
- 30 the mitre (*Am.* miter) sawing board
- 31 the mitre (*Am.* miter) shooting board or block



1-33 the saddlery (harness-maker's workshop, saddler's workshop):

- 1 the horse collar pad
- 2 the leather-grooving machine for pressing grooves in belts
- 3 the leather skiving and paring machine
- 4 the horse collar form
- 5 the saddler's hammer
- 6 the round knife
- 7 the crescent-shaped knife
- 8 the leather plane
- 9 the edging tool
- 10 the leather pliers
- 11 the webbing-stretching pliers
- 12 the eyelet punch
- 13 the revolving punch (punch pliers)
- 14 the saddler's tracing wheel (saddler's roulette)
- 15 the pricking wheel for marking the stitches
- 16 the saddler (harness-maker)
- 17 the eyelet machine
- 18 the electric leather-cutting machine
- 19 the strap-cutting machine (strap-cutter)
- 20 the hand sewing iron
- 21 the stitching block
- 22 the stitching horse
- 23 the saddler's treadle sewing machine
- 24 the folding iron
- 25 the hollow punch
- 26 the round awl:
- 27 the awl;
- 28-33 saddler's (harness-maker's) needles:
- 28 the pin (skewer)
- 29 the curved sewing needle
- 30 the gimp (gymp) needle
- 31 the saddler's needle
- 32 the sewing awl with curved point
- 33 the drawing awl (collar awl, *Am.* tape needle)



1-27 the upholsterer's workshop:

1 the combined picking and filling machine

2 the picking-machine [table model]

3 the mattress-filling and covering machine

4 the wall hook | chine

5 the upholstery button

6 the gimp pin

7 the sewing clip

8 the pin

9 the awl (pricker)

10 the double-pointed needle

11 the horsehair-unraveller (*Am.* unraveler) for unravelling (*Am.* unravelling) curled horsehair

12 the webbing hammer

13 the upholsterer's hammer

14 the rammer

15 the round mallet

16 the webbing

17 the hand-operated teasing machine

18 the whip (cowhide whip, cat-o'-nine tails)

19 the upholsterer

20 the master's diploma

21 the couch:

22 the spiral (helical) spring

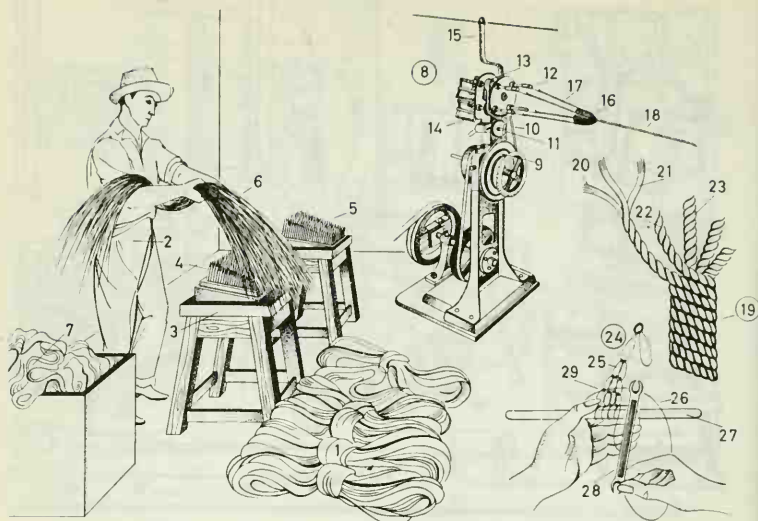
23 the padding (upholstering) material (stuffing; *kinds* : horsehair, seaweed, kapok, or rubberised hair)

24 the hessian (*Am.* burlap)

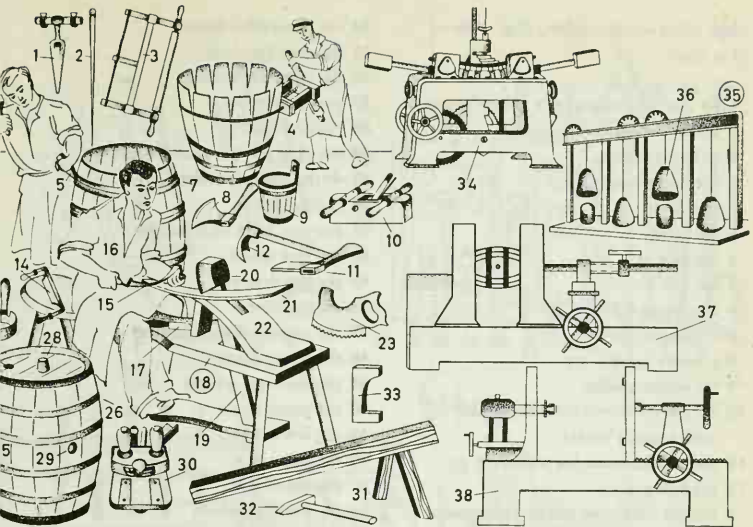
25 the filling cloth (scrim)

26 the couch covering

27 the panel



- 1-18 the ropemaker's workshop
(rope walk; *outdoors* : rope yard),
- 1-7 hackling (heckling):
- 1 the raw hemp
- 2 the hackler
- 3 the hackling (heckling) bench
- 4 the coarse hackle
- 5 the fine hackle
- 6 the hackled (heckled) hemp
- 7 the tow (scutching tow, waste, codilla) from the coarse hackle; the hemphard (hemp tow) from the fine hackle;
- 8 the ropemaker's spinning machine with set of four spindles:
- 9 the band (strap) pulley (strap wheel)
- 10 the driving rope
- 11 the tightening device
- 12 the whirl
- 13 the driving rollers
- 14 the whirl pull-back springs
- 15 the disengaging device
- 16 the rope top
- 17 the spun yarn
- 18 the rope (line, cord);
- 19 the cable (rope):
- 20 the hemp fibre (*Am.* hemp fiber)
- 21 the single yarn (thread)
- 22 the strand
- 23 the rope core (rope heart);
- 24 net-making:
- 25 the mesh (loop)
- 26 the netting thread (thread, twine)
- 27 the mesh pin
- 28 the netting needle
- 29 the net knot (sailor's knot, knotting point)



1-33 the cooper's workshop (cooperage, cooperage):

- 1 the bung hole (*Am.* faucet hole) borer (tap-hole borer, pod auger)
- 2 the gauging (*Am.* gaging) rod
- 3 the frame (span) saw
- 4 the windlass for drawing the staves together
- 5 the mallet
- 6 the hoop-driver (hoop-setter, hand driver)
- 7 the wooden hoop
- 8 the round axe (*Am.* round ax)
- 9 the piggin
- 10 the two-man plane
- 11 the river (cleaver)
- 12 the hollow adze
- 13 the round shave
- 14 and 15 draw knives (draw shaves):
- 14 the spokeshave
- 15 the hollowing knife;
- 16 the cooper (white cooper, cask-maker, dry-cooper; in *wine-growing districts*: wet-cooper, barrel-maker)
- 17 the cooper's knife

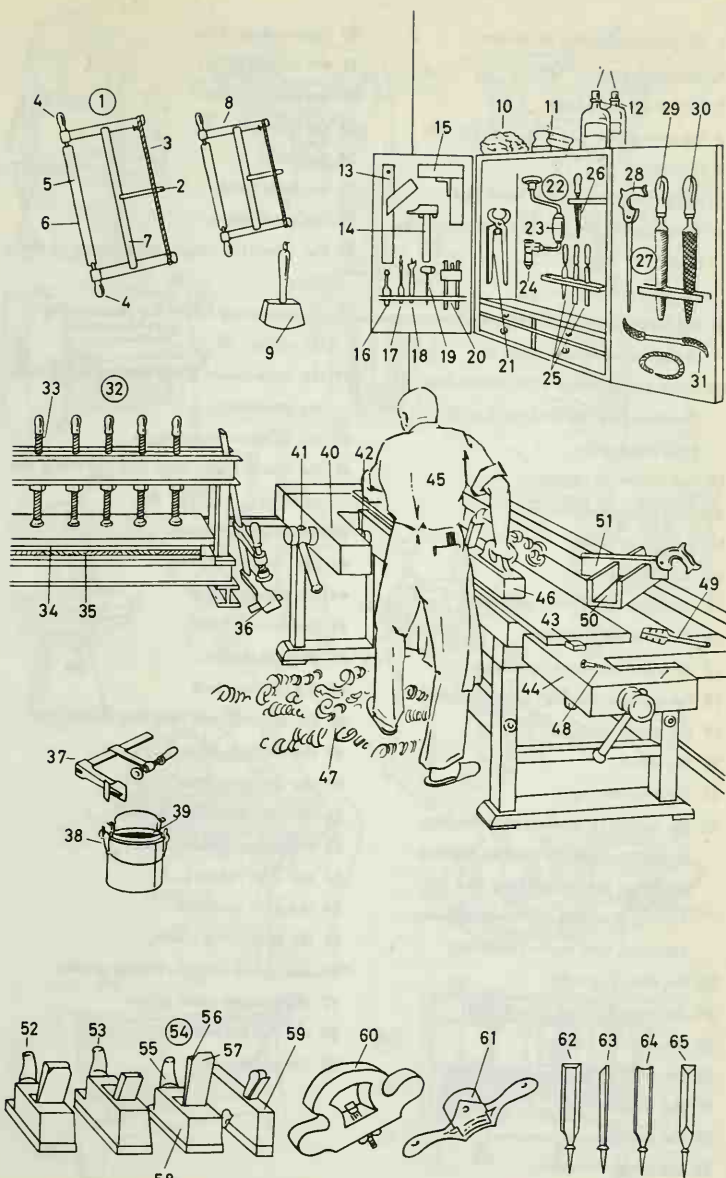
18 the cooper's bench (shaving-horse):

- 19 the saddle post
- 20 the saddle post head
- 21 the cask stave
- 22 the saddle;
- 23 the croze saw
- 24 the cask:
- 25 the cask body
- 26 the hoop
- 27 the tap (spigot, vent) hole
- 28 the hung
- 29 the bung hole (*Am.* faucet hole);
- 30 the croze (crozer, chimbre, *Am.* chimer) for making the croze (groove) in the cask bottom
- 31 the stave-jointing bench
- 32 the cooper's set hammer
- 33 the cooper's module;
- 34 38 cask-making machines:
- 34 the stave-bending machine (hoop-bending machine)
- 35 the screaming cone:
- 36 the cone:
- 37 the cask-adding machine
- 38 the crozing machine

Engl. mitre = *Am.* miter, *Engl.* vice = *Am.* vise

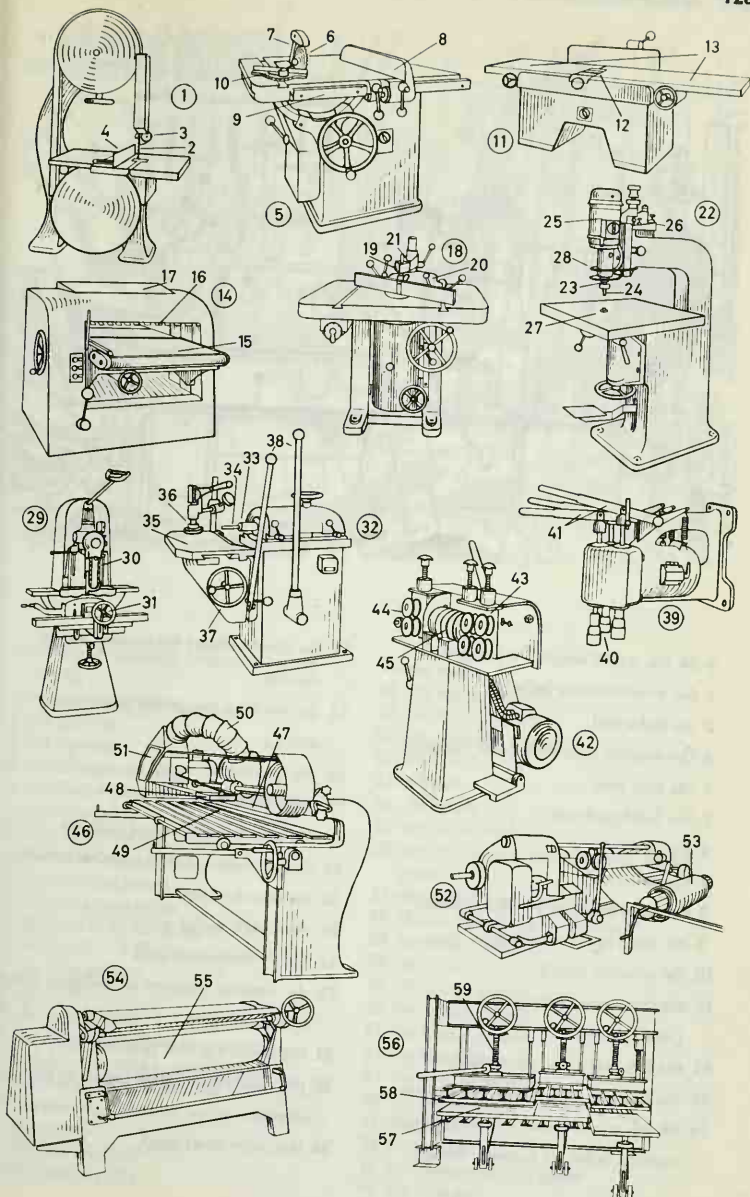
- 1-65 the cabinet-maker's (joiner's) work-shop,
- 1-8 frame saws,
- 1 the frame saw:
- 2 the lever
- 3 the cord
- 4 the handle
- 5 the saw blade
- 6 the spring set teeth
- 7 the frame;
- 8 the bow saw;
- 9 the square mallet
- 10-31 the tool chest (tool cupboard) with joiner's tools:
- 10 the pumice stone for polishing
- 11 the buff pad
- 12 bottles with stain and furniture polish
- 13 the mitre square
- 14 the bench hammer (London hammer)
- 15 the try square, a back square;
- 16-18 brace bits:
- 16 the countersink
- 17 the twist bit
- 18 the centre bit (*Am.* center bit);
- 19 the gimlet
- 20 the mortise gauge (*Am.* gage) for drawing parallel lines
- 21 the pincers (nippers)
- 22 the brace:
- 23 the ratchet, a locking device
- 24 the chuck;
- 25 the chisels
- 26 the saw file, a triangular file
- 27 the pad saw (compass saw, keyhole saw):
- 28 the pad-saw handle;
- 29 the wood file
- 30 the wood rasp
- 31 the riffler file (riffler);
- 32 the veneering press:
- 33 the press screw;
- 34 and 35 the plywood:

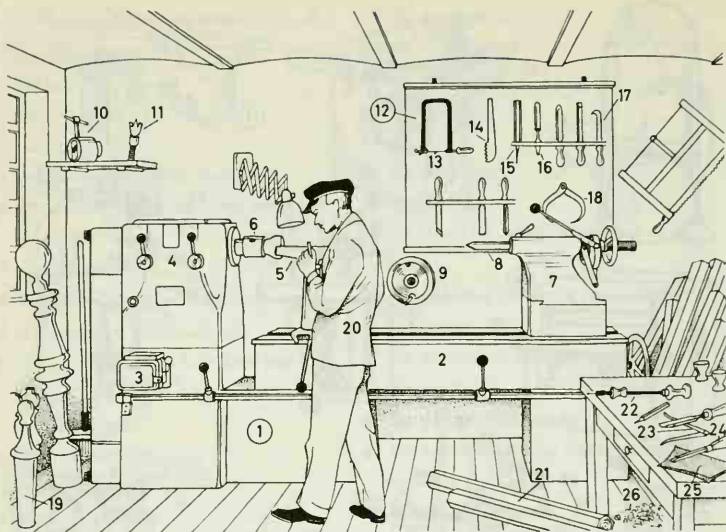
- 34 the decorative veneer
- 35 the core (ground);
- 36 the large hand screw
- 37 the hand screw
- 38 the glue well
- 39 the glue pot for animal glue
- 40-44 the joiner's bench:
- 40 the front vice
- 41 the vice head with handle
- 42 the vice screw
- 43 the bench stop
- 44 the end vice;
- 45 the cabinet-maker (joiner)
- 46 the trying plane
- 47 the shavings (chips)
- 48 the wood screw
- 49 the saw set
- 50 the mitre box
- 51 the tenon saw
- 52-61 bench planes:
- 52 the smoothing plane
- 53 the jack plane
- 54 the tothing plane:
- 55 the handle (horn)
- 56 the wedge
- 57 the plane iron (cutter)
- 58 the plane stock;
- 59 the rabbet plane (fillister)
- 60 the router plane ('old woman's tooth')
- 61 the spokeshave;
- 62 the firmer chisel
- 63 the mortise chisel (framing chisel, heading chisel)
- 64 the gouge (firmer gouge)
- 65 the corner chisel (paring chisel)



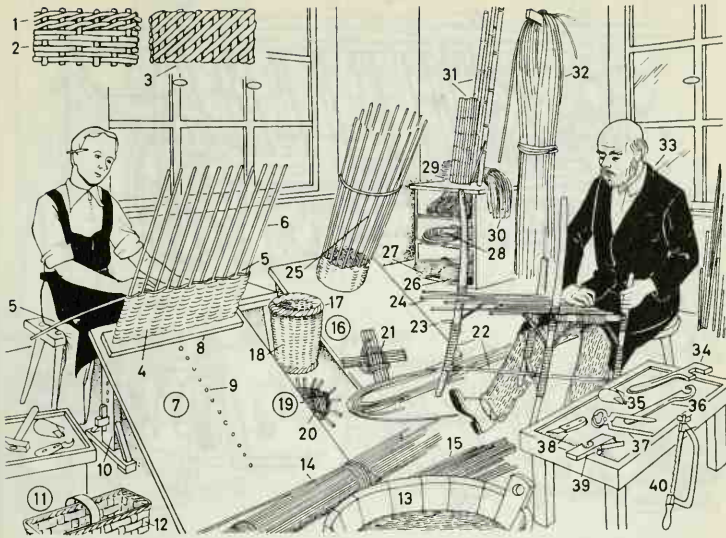
128 The Wood-working Machine Shop

- 1-59 wood-working machines,
- 1 the band-saw:
- 2 the band-saw blade
- 3 the saw guide
- 4 the fence;
- 5 the circular saw (*Am.* buzz saw):
- 6 the circular saw blade (*Am.* buzz saw blade)
- 7 the riving knife
- 8 the fence with screw thread adjustment
- 9 the graduated fence slide rail
- 10 the adjustable fence for mitres and cross-cutting (mitre fence) with graduated scale;
- 11 the overhead planer:
- 12 the cutter guard
- 13 the planer table;
- 14 the thicknesser:
- 15 the table (bed) with rollers
- 16 the kick-back fingers
- 17 the chip-extractor opening;
- 18 the spindle moulder (*Am.* molder):
- 19 the cutter spindle
- 20 the fence
- 21 the top bearing;
- 22 the router (recessing and shaping machine; copy, or profile, milling machine; surface milling and drilling machine, *Am.* die-sinking machine, tool room machine):
- 23 the chuck spindle
- 24 the router cutter (router bit)
- 25 the electric motor
- 26 the revolving head (turret head)
- 27 the template pin
- 28 the guard;
- 29 the chain mortiser:
- 30 the mortise chain
- 31 the work clamp;
- 32 the slot mortiser:
- 33 the chuck
- 34 the cutter
- 35 the table (bed)
- 36 the work clamp
- 37 the wheel for height adjustment of the table
- 38 the operating levers for positioning the table;
- 39 the knot-borer (knot-driller, knot-boring machine):
- 40 the quick-action chucks
- 41 the levers for raising and lowering the spindles;
- 42 the dowel maker:
- 43 the outfeed rollers
- 44 the guide rollers
- 45 the cutting head;
- 46 the belt sander:
- 47 the sanding belt
- 48 the sanding pad (sanding shoe)
- 49 the sanding table
- 50 the dust-extractor duct
- 51 the dust-extractor hood;
- 52 the rotary veneer lathe:
- 53 the thin veneer;
- 54 the glue spreader:
- 55 the spreading roller;
- 56 the quick-action veneer press:
- 57 the bottom press plates
- 58 the top press plates
- 59 the press screws





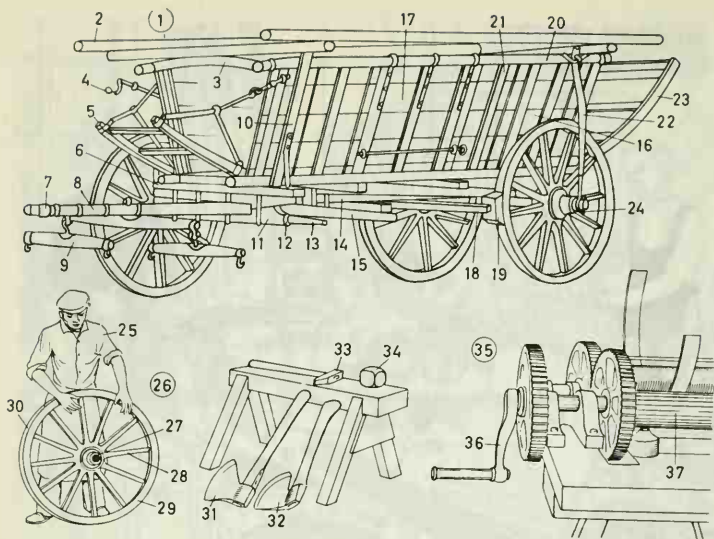
- 1-26 the wood-turner's workshop,
- 1 the wood-turning lathe:
- 2 the lathe bed
- 3 the starting resistance (*Am.* resistor)
- 4 the gear box
- 5 the hand-tool rest
- 6 the chuck
- 7 the tailstock
- 8 the dead centre (*Am.* dead center)
- 9 the driving plate with pin
- 10 the two-jaw chuck
- 11 the three-pronged centre (*Am.* center):
- 12 the fret saw (*Am.* scroll saw):
- 13 the fret saw (*Am.* scroll saw) blade;
- 14, 15, 24 wood-turner's tools (wood-turner's lathe, or turning, tools):
- 14 the thread-chaser for cutting wood threads
- 15 the marking gouge for preparatory cutting
- 16 the spoon bit
- 17 the hollowing tool
- 18 the external calipers or callipers
- 19 turned work (turned wooden articles)
- 20 the wood-turner
- 21 the rough wood
- 22 the Archimedean drill
- 23 the internal calipers or callipers (*Am.* inside calipers)
- 24 the grooving tool (parting tool)
- 25 the sand paper (glass paper, emery paper)
- 26 the chips (shavings)



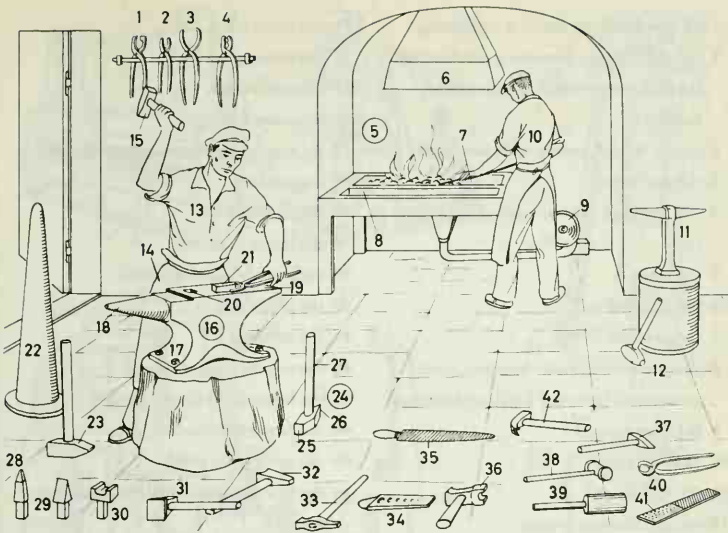
- 1-40 basket-making (basketry, basket-work),
- 1-4 weaving patterns:
- 1 the pairing
- 2 the slewing
- 3 the oblique randing
- 4 randing, a piece of wickerwork (of screen work);
- 5 the horizontal rod (weft)
- 6 the stake (sail, upright rod, warp)
- 7 the working board:
- 8 the transverse ledge
- 9 the hole to fix the ledge in;
- 10 the strand
- 11 the chip basket:
- 12 the chip;
- 13 the soaking tub
- 14 the one-year willow sticks (willow twigs; osier sticks, osier twigs)
- 15 the three-year willow rods (osier rods)
- 16 the basket, a piece of wickerwork (basket work):
- 17 the rim (horder)
- 18 the woven side;

- 19 the slath:
- 20 the woven bottom;
- 21 the bottom cross
- 22-24 covering a frame:
- 22 the frame
- 23 the end
- 24 the strut;
- 25 the framework
- 26 the grass; *sorts*: esparto grass, alfalfa grass
- 27 the rush (China rush string)
- 28 the reed (reed mace, club rush)
- 29 the raffia (rafia, bast)
- 30 the straw
- 31 the bamboo cane
- 32 the rattan (ratan)
- 33 the basket-maker
- 34 the hending tool
- 35 the cutting point
- 36 the rapping iron
- 37 the pincers
- 38 the scraper
- 39 the basket-maker's plane
- 40 the bow saw

131 The Wainwright (Cartwright)



- | | |
|--|---|
| 1 the farm wagon (farm-cart, <i>Am.</i> farm gear) with harvest frame: | 19 the brake block (brake shoe, <i>Am.</i> chock block) |
| 2 the outer top rail | 20 and 21 the ladder (sparred frame): |
| 3 the cross bar | 20 the inner top rail (ladder post) |
| 4 the brake handle for putting-on the brake | 21 the spar; |
| 5 the forage ladder (hay ladder, forage frame, hay frame) | 22 the stake brace (stanchion brace) |
| 6 the bolster (axle-tree bed bolster) | 23 the rear forage ladder |
| 7 the draught pole (<i>Am.</i> pole arm) | 24 the linch pin; |
| 8 and 9 the swingle set: | 25 the cartwright (wainwright, wheelwright, wheeler) |
| 8 the main swing-tree | 26 the cart wheel (wheel): |
| 9 the swingletree (swinglebar, swing-tree, whiffletree); | 27 the hub (nave) |
| 10 the stanchion (stud, stake) | 28 the spoke |
| 11 the axle tree (axle) | 29 the wheel rim (felloes, fellies) |
| 12 the clout iron | 30 the wheel tyre (wheel tire, tyre, tire); |
| 13 the axle arms | 31 the axe (<i>Am.</i> ax) |
| 14 the perch (reach, centre pole, <i>Am.</i> center pole) | 32 the broad axe (<i>Am.</i> broad ax) |
| 15 the splinter bar (splinter) | 33 the scythe hammer for sharpening the scythe |
| 16 the side plank | 34 the scythe anvil |
| 17 the body standard | 35 the tyre bender: |
| 18 the brake shaft | 36 the handle (crank) |
| | 37 the feed roller (transporting roller), a fluted roller |

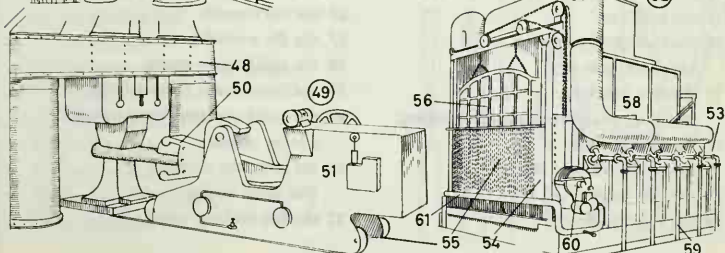
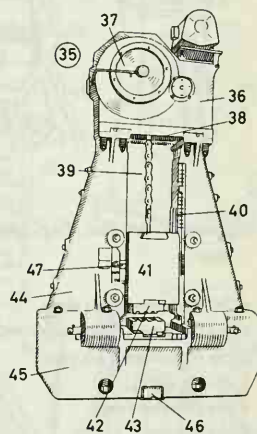
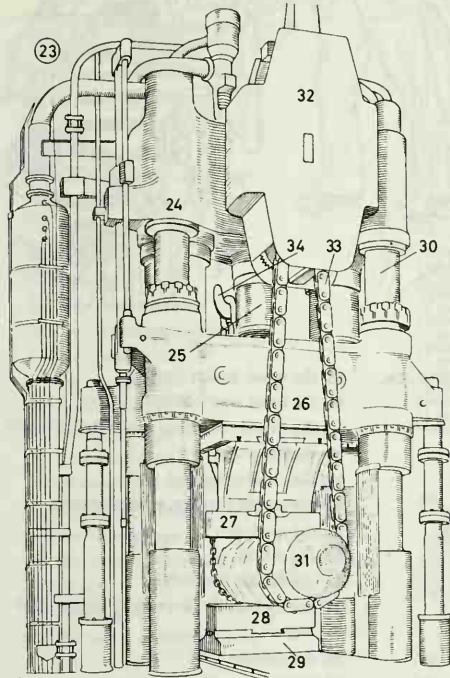
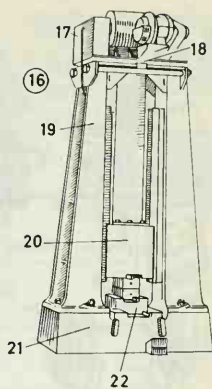
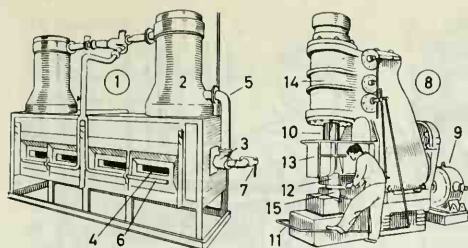


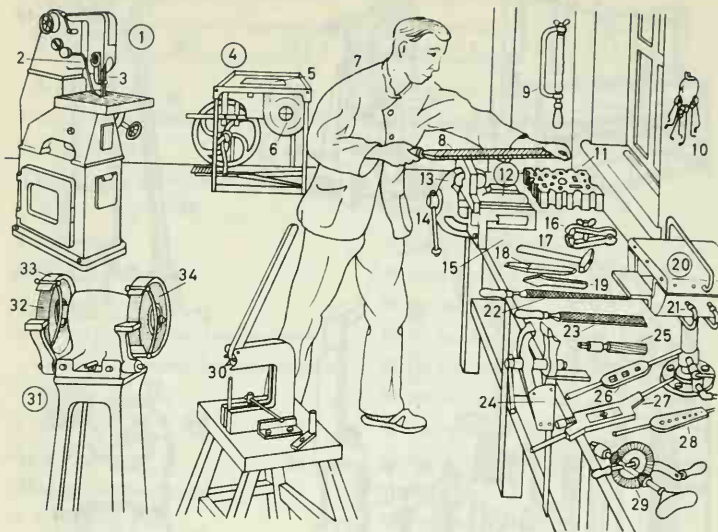
- 1-42 the smithy (forge, blacksmith's workshop),
1-4 blacksmith's tongs:
1 the hooked tongs
2 the forge tongs
3 the blacksmith's tongs
4 the toothed tongs;
5 the smithy chimney (smithy hearth, smithy fire, fireplace):
6 the chimney hood (smoke hood)
7 the fire pan
8 the quenching trough (quenching tank)
9 the bellows (blower) with electric motor;
10 the smith, a blacksmith
11 the beak iron (horn)
12 the snap hammer (snap set, snap head die)
13 the smith's assistant, a journeyman blacksmith
14 the leather apron (hide apron)
15 the smith's hammer (hand hammer)
16 the anvil:
17 the anvil body
18 the horn (beak iron, beck iron, bick iron, bickern, beak)
19 the tempered anvil face or plate
20 the hardy hole for the anvil tools;
21 the forged piece
22 the ring horn

- 23 the fore hammer (up-hand sledge, two-handed hammer)
24 the hammer, an about-sledge:
25 the tempered face
26 the pane (peen, pene, pein)
27 the hammer helve (handle, shaft);
28-30 anvil tools (anvil hardies, anvil fullers):
28 the filing block
29 the straight hardy (anvil chisel, anvil cutter)
30 the bottom swage (bottom die, bottom mould, *Am.* bottom mold);
31 the smoothing hammer (planishing hammer, set hammer)
32 the round set hammer
33 the drift hammer (hammer with projecting helve)
34 the hole gauge (*Am.* hole gage)
35 the straw file (rough file) with coarse cut
36 the top swage (top die) for moulding (*Am.* molding)
37 the blunt (caulking, calking) tool or chisel, a cold chisel or a hot chisel; *sim.*: cross chisel for nipping off rivet
38 the farrier's hammer
39 the mallet
40 the farrier's tongs
41 the farrier's (hoof) rasp
42 the shoeing hammer

133 The Drop Forging Works

- 1-61 machines for chipless machining,
- 1 the slot forging furnace, a pre-heating furnace, a reverberatory (puddling) furnace:
- 2 the air-heater, heated with waste gas
- 3 the gas burner
- 4 the working slot for heating the work (job)
- 5 the air duct
- 6 the air blast
- 7 the gas inlet;
- 8 the pneumatic power hammer (compressed-air hammer) for drop forgings:
- 9 the electric motor
- 10 the tup (ram)
- 11 the foot lever
- 12 the top die (top swage)
- 13 the hammer guide
- 14 the hammer cylinder
- 15 the bottom die (bottom swage);
- 16 the strap (belt) drop hammer (drop stamp, *Ass.* lift drop hammer):
- 17 the disk (disc) cooler
- 18 the driving head
- 19 the frame
- 20 the hammer (hammer head)
- 21 the anvil (anvil block)
- 22 the anvil block insert;
- 23 the hydraulic forging press [up to 6,000 tons pressure]:
- 24 the hydraulic system
- 25 the piston
- 26 the crosshead (cross piece)
- 27 the top die
- 28 the bottom die
- 29 the anvil bed (stock)
- 30 the guide column
- 31 the work piece
- 32 the turning device
- 33 the crane chain
- 34 the crane hook;
- 35 the electric high-speed drop hammer:
- 36 the gear box
- 37 the coupling
- 38 the frame head plate
- 39 the lifting (hoisting) chain
- 40 the guide ribs
- 41 the hammer
- 42 the top die (upper swage)
- 43 the bottom die (lower swage)
- 44 the hammer column
- 45 the anvil (bed, stock)
- 46 the foot contact for electro-pneumatic control
- 47 the hammer stop;
- 48 the steam-operated forging press
- 49 the forging manipulator (manipulator) to handle the work for forging without dies:
- 50 the jaws
- 51 the counterweight;
- 52 the gas-heated forging furnace:
- 53 the gas burner
- 54 the feed opening
- 55 the chain curtain
- 56 the lifting door
- 57 the hot-air duct
- 58 the air pre-heater
- 59 the gas pipe
- 60 the electric door-lifting mechanism
- 61 the air blast





Engl. vice = Am. vise, Engl. gauge = Am. gage

1-34 the locksmith's shop,

1 the band-saw (filing machine):

2 the compressed air pipe

3 the file (saw);

4 the portable forge:

5 the fire pan

6 the fan (blower);

7 the locksmith (fitter)

8 the file (rough)

9 the hack saw

10 the lock pick (skeleton key, *Am.* pass key)

11 the face block for

bending, straightening, and stamping

12 the parallel vice

(a standard fitters vice):

13 the vice jaws

14 the vice handle;

15 the work bench (bench)

16 the hand vice (clamp)

17 the bench hammer (riveting hammer)

18 the flat chisel

19 the cross-cut chisel

20 the muffle furnace, a bench oven:

21 the gas inlet;

22 the round

23 the flat file (smooth)

24 the locksmith (keysmith) vice, a light vice

25 the reamer

26 the tap wrench

27 the die wrench

28 the solid screw chaser

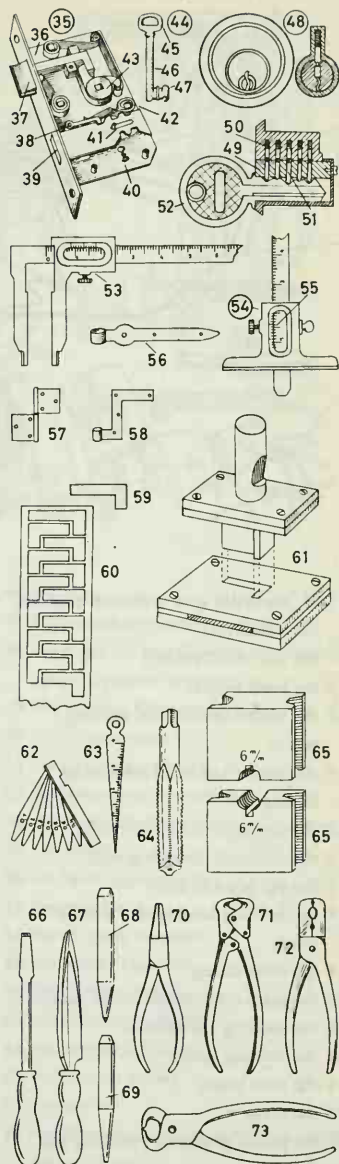
29 the hand brace (breast drill)

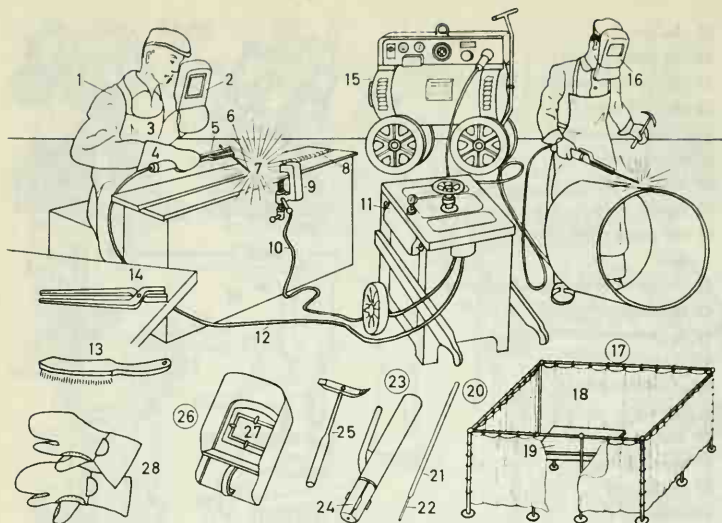
30 the hand-operated lever punch, a lever punch

31 the grinding machine [for small tools]:

32 the felt buffing wheel

- 33 the guard
- 34 the emery wheel;
- 35 the mortise (mortice) lock:
- 36 the lock case
- 37 the spring bolt
- 38 the tumbler
- 39 the dead bolt
- 40 the keyhole
- 41 the guide pin for the dead bolt
- 42 the tumbler spring, a flat spring
- 43 the follower;
- 44 the key:
- 45 the bow
- 46 the stem (shank)
- 47 the bit;
- 48 the pin tumbler cylinder:
- 49 the plug and body
- 50 the spring
- 51 the pin;
- 52 the safety key
- 53 the vernier calipers
- 54 the vernier depth gauge:
- 55 the vernier scale;
- 56 the strap hinge
- 57 the flap hinge
- 58 the angle hinge
- 59 the component
- 60 the strip steel (brass)
- 61 the blanking tool
- 62 the feeler gauge
- 63 the taper hole diameter gauge
- 64 the plug tap
- 65 the halves of the screwing die
- 66 the screwdriver
- 67 the scraper
- 68 the centre punch (*Am.* center punch)
- 69 the round punch
- 70 the flat pliers
- 71 the wire cutters
- 72 the gas pliers (grips)
- 73 the pinchers





1-28 metallic arc welding (electric arc welding):

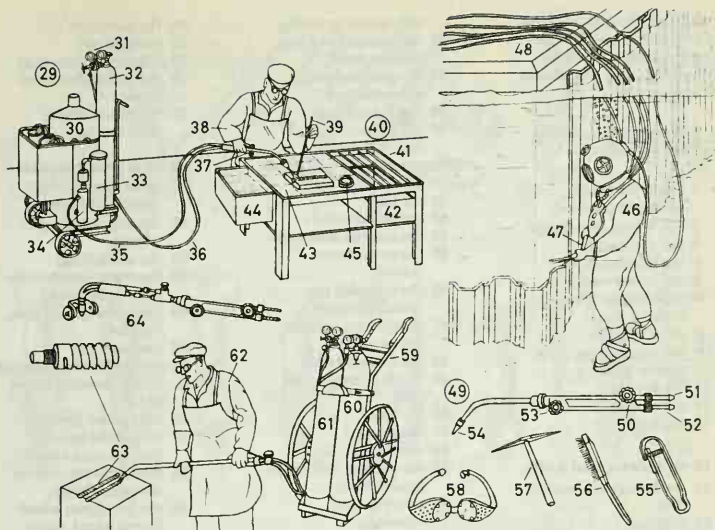
- 1 the operator (welder)
- 2 the hand shield
- 3 the leather apron; *sim.* asbestos apron
- 4 the welder's glove of asbestos or leather
- 5 the electrode-holder or pliers
- 6 the electrode (welding rod)
- 7 the arc (electric arc)
- 8 the welding bead (weld, welded joint)
- 9 the earth clamp
- 10 the earth cable (earth return lead)
- 11 the welding transformer
- 12 the welding cable
- 13 the wire brush
- 14 the tongs
- 15 the motor generator (welding set)
- 16 the head shield

17 the welding tent (welding booth):

- 18 the curtain
- 19 the work table;
- 20 the electrode:
- 21 the coating
- 22 the core wire;
- 23 the electrode-holder with insulated handle:
- 24 the jaws;
- 25 the chipping hammer
- 26 the hand shield:
- 27 the screening glass (coloured glass);
- 28 the welder's gauntlets (welder's gloves);

29-64 autogenous welding (gas welding, oxy-acetylene welding, acetylene welding),

- 29 the oxy-acetylene welding equipment:
- 30 the low pressure acetylene generating plant



- 31 the pressure-reducing regulator or valve
- 32 the oxygen cylinder
- 33 the gas-purifier
- 34 the back pressure valve, a guard against explosion in the event of flashback
- 35 the gas hose
- 36 the oxygen hose;
- 37 the welding blowpipe (welding blow-lamp)
- 38 the gas welder (operator)
- 39 the filler rod
- 40 the work bench:
- 41 the cutting grating
- 42 the scrap-iron box
- 43 the table covering of chamotte slabs or fire bricks
- 44 the water tank;
- 45 the welding paste or flux
- 46-48 underwater-welding:

- 46 the diver
- 47 the special cutting blowpipe or torch
- 48 the hoses for breathing air, combustion gas, and protective gases;
- 49 the welding blowpipe (torch):
- 50 the oxygen valve
- 51 the oxygen connection
- 52 the burning-gas connection
- 53 the combustion gas valve
- 54 the nozzle tip;
- 55 the blowpipe-lighter
- 56 the wire brush
- 57 the chipping hammer
- 58 the welder's goggles
- 59 the cylinder trolley
- 60 the acetylene cylinder
- 61 the oxygen cylinder
- 62 the oxygen welder
- 63 the work
- 64 the blowpipe fitted with cutting nozzle and torch guide

[made of: iron, steel, brass, aluminium (*Am.* aluminium), plastics, etc.; in the following, iron was chosen as an example]

- 1 the angle (angle iron):
- 2 the leg (side);

3-7 rolled steel

- sections** (girders),
- 3 the T-iron (tee-iron):
 - 4 the vertical leg
 - 5 the horizontal leg;
 - 6 the rolled steel joist
 - 7 the channel (U-iron, channel iron);
 - 8 the round bar
 - 9 the square iron (*Am.* square stock)
 - 10 the flat bar
 - 11 the strip steel
 - 12 the iron wire

13-48 screws and bolts,

- 13 the hexagonal headed bolt:
- 14 the head
- 15 the shank (bolt, body)
- 16 the thread
- 17 the washer
- 18 the hexagonal nut
- 19 the split pin
- 20 the rounded end
- 21 the width of spanner jaw;
- 22 the stud:
- 23 the point (end)
- 24 the castle nut
- 25 the hole for the split pin;
- 26 the countersunk-head bolt:
- 27 the catch
- 28 the lock nut (jam nut, check nut)
- 29 the bolt (pin);
- 30 the collar bolt (collar-headed bolt):
- 31 the set collar (integral collar)
- 32 the spring washer (elastic washer, locking washer)
- 33 the round nut, an adjustable nut;
- 34 the cheese-head screw (fillister-head screw, round-headed screw, *Am.* stove bolt), a screw with slot (with slit, with groove):
- 35 the tapered pin (conical pin)
- 36 the screw slot (screw

- slit, screw groove);
- 37 the square-head bolt (square head):
- 38 the grooved pin, a cylindrical pin;
- 39 the T-head bolt:
- 40 the fly nut (butterfly nut, wing nut);
- 41 the rag bolt (rag, lewis bolt, stone bolt):
- 42 the barb;
- 43 the wood screw:
- 44 the countersunk head
- 45 the wood screw thread;
- 46 the threaded pin (headless screw):
- 47 the pin slot (pin slit, pin groove)
- 48 the rounded end;
- 49 the nail (*small*: wire nail):
- 50 the head
- 51 the shank
- 52 the point;
- 53 the roofing tack (blue-headed tack)
- 54 riveting (lap-riveting),

55-58 the rivet:

- 55 the set head (swage head, die head), a rivet head
- 56 the rivet shank
- 57 the rivet point (closing head)
- 58 the pitch of rivets;

59 the shaft:

- 60 the chamfer (bevel)
- 61 the journal
- 62 the neck
- 63 the seat
- 64 the key way
- 65 the conical seat (cone)
- 66 the thread;

67 the ball bearing

- (radial bearing, journal bearing, anti-friction bearing):
- 68 the steel ball (ball)
 - 69 the outer race
 - 70 the inner race;

71 and 72 the keys:

- 71 the feather (sunk key)
- 72 the gib (gib-headed key);
- 73 the needle roller bearing
- 74 the needle

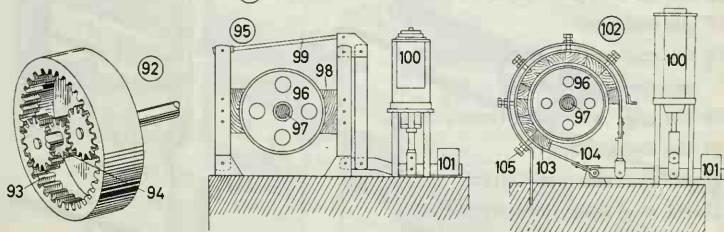
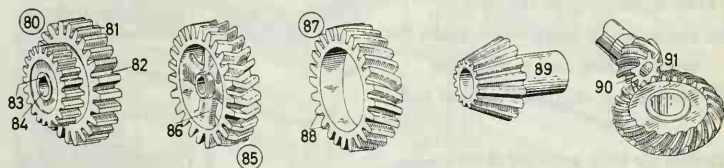
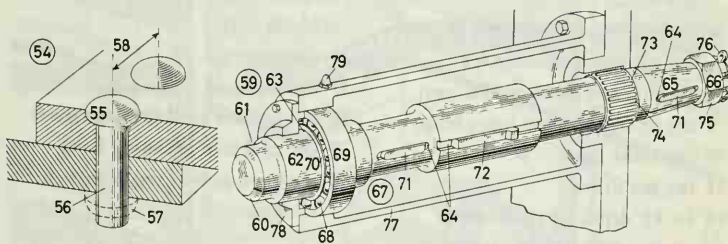
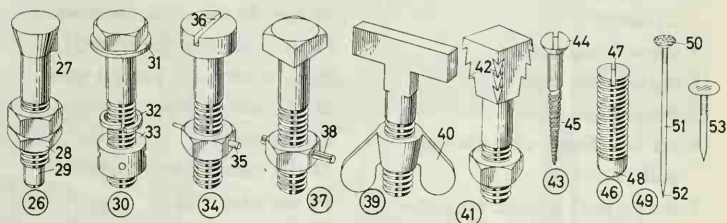
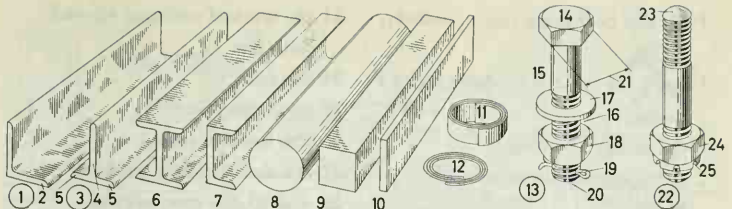
- 75 the castle nut
- 76 the split pin
- 77 the casing (housing)
- 78 the casing (housing) cover
- 79 the grease nipple (lubricating nipple);

80-94 toothed wheels

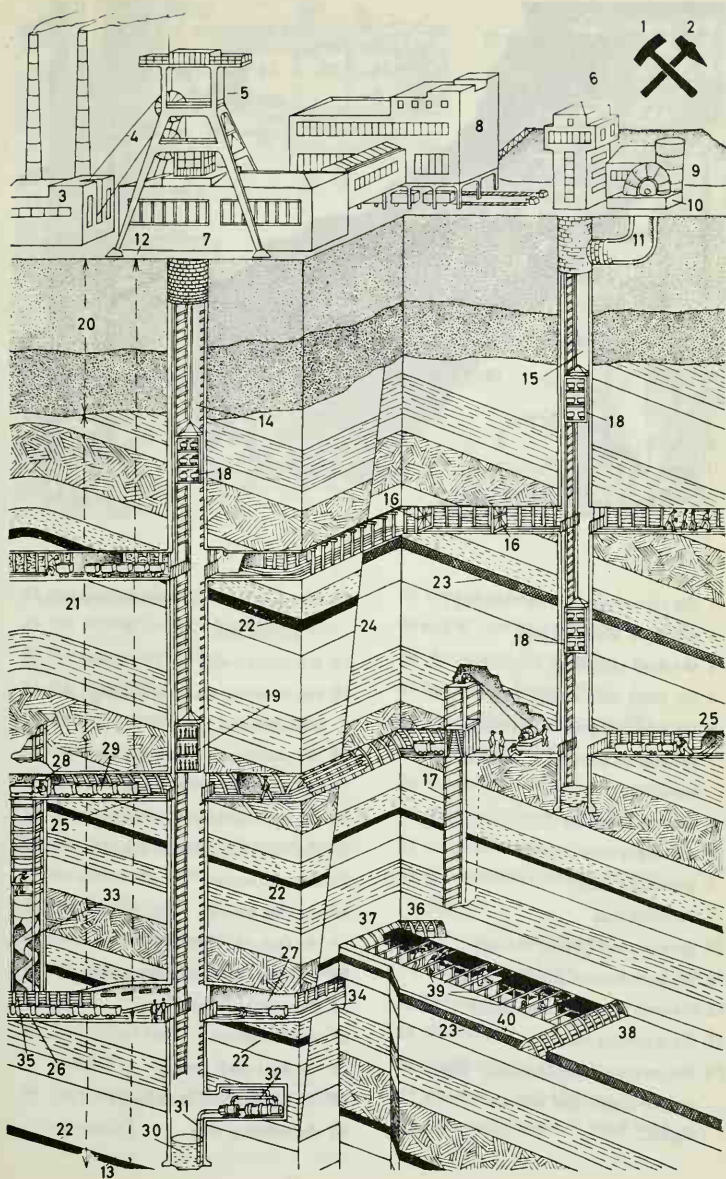
- (gear wheels, cog wheels, *Am.* gears),
- 80 the step wheel (spur wheel):
 - 81 the tooth (cog)
 - 82 the space between the teeth (*Am.* gash)
 - 83 the key way (key seat, key slot)
 - 84 the bore;
 - 85 the double helical spur wheel (herring-bone gear):
 - 86 the spokes (arms);
 - 87 the helical gearing (helical spur wheel):
 - 88 the wheel rim (rim of the gear wheel);
 - 89 the bevel gear wheel (bevel wheel, mitre wheel, *Am.* miter wheel)
 - 90 and 91 the spiral toothing:
 - 90 the pinion
 - 91 the disk (disc, plate) gear wheel;
 - 92 the epicyclic gear (planetary gear, sun gear, *Am.* crypto-gear):
 - 93 the internal toothing
 - 94 the external toothing;

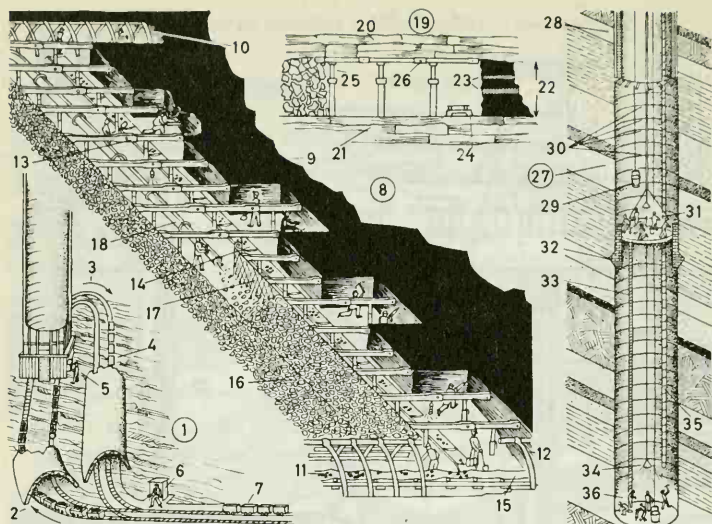
95-105 brakes,

- 95 the shoe brake (check brake, block brake):
- 96 the brake pulley
- 97 the brake shaft (brake axle)
- 98 the brake block (brake shoe, brake cheek)
- 99 the pull rod
- 100 the brake magnet (magnetic brake, *Am.* solenoid brake, operator brake, operator)
- 101 the brake weight;
- 102 the band brake (strap brake):
- 103 the brake band (brake strap)
- 104 the brake lining
- 105 the adjusting screw to ensure even application of the brake

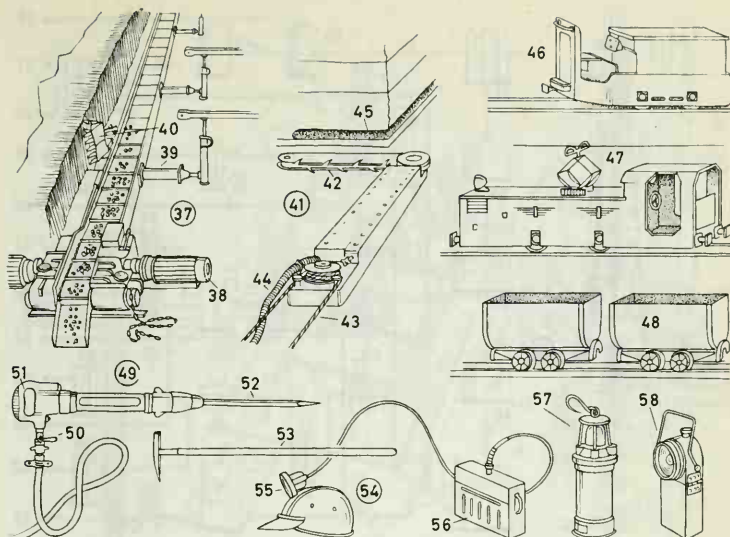


- 1-40 the coal mine (mine, colliery, pit),
- 1 and 2 the miner's symbol (miner's badge):
- 1 the sledge hammer
- 2 the knapping (square-faced) hammer;
- 3-11 surface installations, (surface lay-out):
- 3 the winding engine
- 4 the winding rope
- 5 the pit-head gear
- 6 the head frame with winding pulleys
- 7 the pit bank or mine car circulation hall
- 8 the coal separation plant (screening plant and washery for grading and cleaning the coal)
- 9 the tip heap (waste heap, bing)
- 10 the mine fan
- 11 the fan drift;
- 12 to 13 depth of shaft above sump or to winding level
- 14-40 underground lay-out:
- 14 the winding shaft (main shaft) for coal winding and man-riding
- 15 the upcast shaft for stale or bad air
- 16 the air lock with air doors
- 17 the staple pit
- 18 the cage with tubs (mine cars), transporting material
- 19 the cage with men, (man-riding)
- 20 the overburden
- 21 the coal measures (strata)
- 22 the coal seam (unworked coal)
- 23 the worked out seam stowed with dirt
- 24 the fault
- 25 the airway
- 26 the haulage level
- 27 the shaft landing (pit-bottom)
- 28 and 29 the train of tubs (mine cars):
- 28 the electric mine locomotive
- 29 the coal tub (mine car);
- 30 the shaft sump with pit water
- 31 the suction pipe
- 32 the pump
- 33 the spiral-chute in staple pit
- 34 the level road
- 35 the main cross measure drift (cross cut)
- 36 the cross cut
- 37 the top road
- 38 the bottom road (haulage road)
- 39 the coal face (winning face)
- 40 the goaf, gob or waste packed with dirt



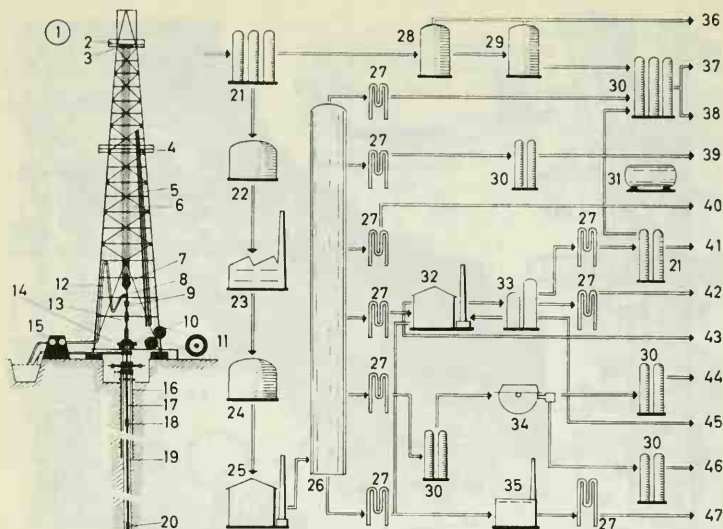


- 1 the pit-bottom or shaft landing:
- 2 the track with full tubs
- 3 the shaft circuit for empty tubs
- 4 the track with empty tubs
- 5 the onsetter (man controlling loading of tubs into cage and signalling)
- 6 the control point
- 7 the empty tubs return;
- 8 working a seam:
- 9 the solid coal
- 10 the top road (intake airway)
- 11 the bottom road (haulage road)
- 12 the coal face (winning face)
- 13 the working face
- 14 the scraper chain conveyor with double chain and scraper flights
- 15 the main gate conveyor with rubber or plastic belt
- 16 the stowed area
- 17 the retaining wall for stowage (*here : wire netting*)
- 18 the pneumatic stowing pipe;
- 19 the prop-free front face:
- 20 the roof (layer above seam)
- 21 the floor (layer below seam)
- 22 the coal seam
- 23 the dirt bands
- 24 the face conveyor
- 25 the steel (or light alloy) prop
- 26 the cantilever roof bar;
- 27 shaft sinking:
- 28 the final shaft lining
- 29 the sinking kibble or bucket
- 30 the tubbing ring



- 31 the sinking platform
- 32 the seating for the permanent lining
- 33 the emergency ladder
- 34 the floodlight
- 35 the ventilation duct
- 36 the sinking team;
- 37-53 mine machinery and tools,
- 37 the scraper chain conveyor:
- 38 the drive for conveyor and coal plough
- 39 the advancing cylinder
- 40 the coal plough;
- 41 the coal-cutting machine:
- 42 the cutting jib with chain and cutting picks
- 43 the haulage rope for coal-cutting machine
- 44 the compressed-air hose (compressed air supply)

- 45 the cut or kerf;
- 46 and 47 electric mine-locomotives:
- 46 the battery locomotive
- 47 the trolley-locomotive;
- 48 the tub (tram); *larger* : trolley
- 49 the pneumatic drill:
- 50 the air-inlet valve
- 51 the handle (hand-grip)
- 52 the pick (steel);
- 53 the overman's yardstick (with pick);
- 54-58 miner's equipment,
- 54 the miner's helmet;
- 55 the cap-lamp
- 56 the battery;
- 57 and 58 miners' lamps:
- 57 the electric hand lamp
- 58 the official's electric hand lamp



1-20 oil drilling,

1 the derrick (drilling rig):

2 the crown (safety) platform

3 the crown block

4 the safety platform

(quadruple platform)

5 the stands of drill-pipe

6 the drilling cable (drilling line,
block line, hoisting cable)

7 the travelling (*Am.* traveling) block

8 the hoisting hook

9 the (rotary) swivel

10 the drawworks (hoist)

11 the engine (power unit)

12 the mud hose

13 the kelly (grief stem)

14 the rotary table

15 the mud pump

16 the surface casing

17 the drill-pipe

18 the tool joint

19 the borehole

20 the drilling bit; *kinds*: fishtail (blade)
bit, rock (*Am.* roller) bit, diamond
(core) bit;

21-35 oil refining [diagram]:

21 the gas separator

22 the (field) storage tank

23 the pumping station

24 the (refinery) storage tank

25 the tubular heater (tubular furnace,
pipe still)

26 the fractionating column (fractionating
tower, distillation column)

27 the condenser (cooler)

28 the absorber plant

29 the stabilizer (stabilization plant)

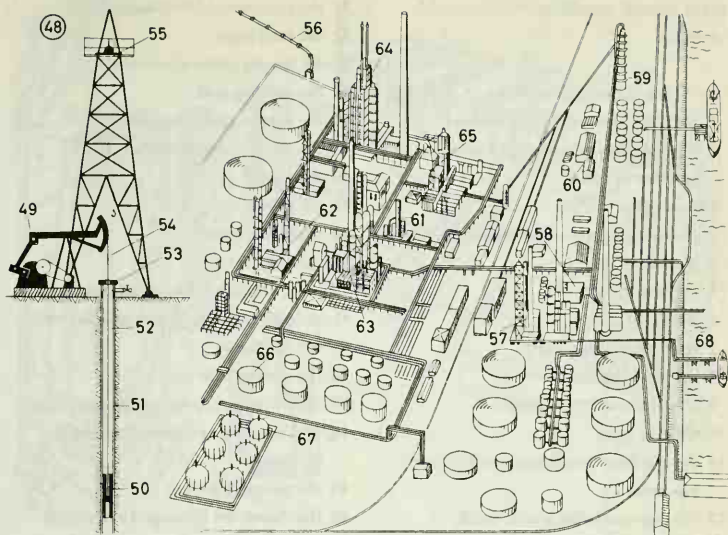
30 the stripper

31 the alkylation plant

32 the tubular heater (tubular furnace,
pipe still)

33 the cracking plant

34 the de-waxing plant



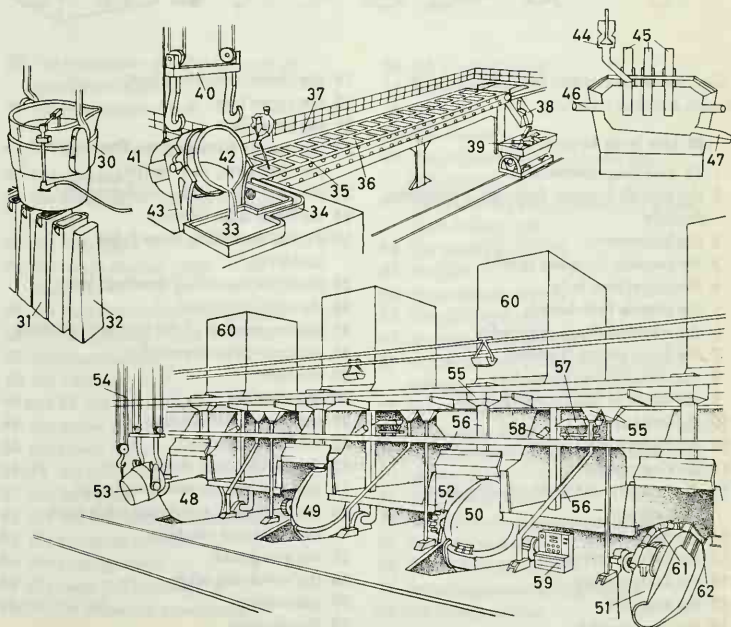
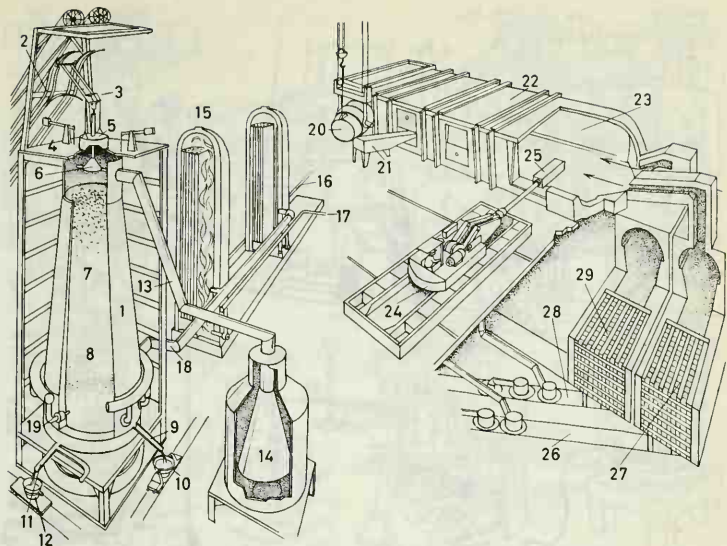
- | | |
|---|---|
| 35 the bitumen plant; | 52 the sucker rods |
| 36-47 crude-oil products: | 53 the casing head |
| 36 liquefied petroleum gases (LPG) | 54 the polish (polished) rod |
| 37 aviation gasoline (aviation spirit) | 55 the pulley block; |
| 38 petrol (motor spirit; <i>Am.</i> gasoline or gas) | 56-67 the oil refinery: |
| 39 paraffin (paraffin oil, kerosine; <i>Am.</i> kerosene) | 56 the pipeline |
| 40 gas oil | 57 the distillation plant |
| 41 hydrocarbon gases | 58 the bitumen blowing plant |
| 42 fuel oil | 59 the vacuum distillation plant |
| 43 diesel oil | 60 the lubricating oil plant (luboil plant) |
| 44 lubricating oil | 61 the sulphur recovery plant |
| 45 petroleum coke | 62 the gas separation plant |
| 46 paraffin wax | 63 the catalytic cracker (cat cracker) |
| 47 bitumen (asphaltic bitumen, asphalt); | 64 the catalytic reformer (hydroformer, platformer) |
| 48-55 oil or crude-oil production, | 65 the hydrodesulphurization (hydrofining) plant |
| 48 the production (servicing) derrick: | 66 the storage tank (vertical storage tank) |
| 49 the pump (pumping unit) | 67 the spherical tank (pressure tank); |
| 50 the plunger | 68 the tanker terminal |
| 51 the tubing | |

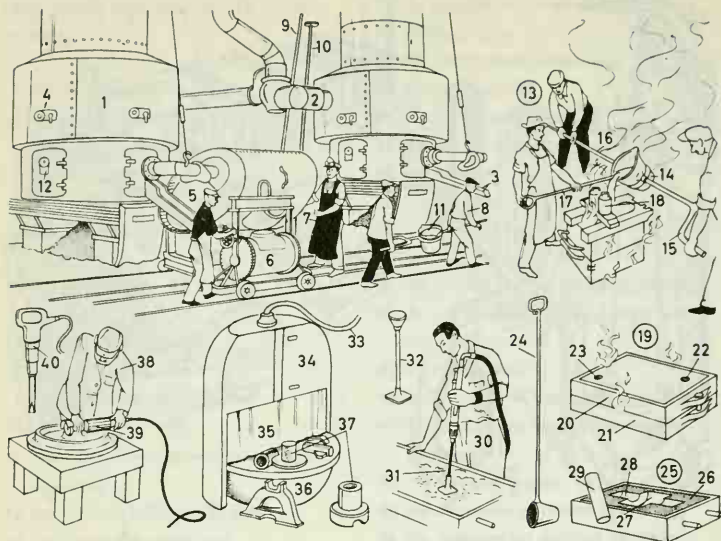
Engl. mould, moulding = *Am.* mold, molding

1-19 the blast-furnace plant:

- 1 the blast furnace, a shaft furnace
- 2 the charging skip (inclined skip) for ore and flux or coke
- 3 the crab
- 4 the charging gallery (charging platform)
- 5 the skip bucket
- 6 the bell
- 7 the blast-furnace shaft
- 8 the smelting section
- 9 the slag and dross outlet
- 10 the slag ladle
- 11 the pig-iron (crude iron) outlet (iron tap-hole)
- 12 the pig-iron ladle, a ladle truck
- 13 the throat-gas outlet pipe
- 14 the dust-collector (dust-catcher)
- 15 the hot blast stove
- 16 the cold blast main
- 17 the gas pipe
- 18 the hot blast main
- 19 the tuyère;
- 20-62 the steel works,
- 20-29 the Siemens open hearth furnace:
- 20 the pig-iron ladle
- 21 the feed gate
- 22 the fixed furnace
- 23 the hearth
- 24 the furnace-charger
- 25 the scrap-steel feeder
- 26 the gas pipe
- 27 the gas-heating chamber
- 28 the air feed pipe
- 29 the air-heating chamber;
- 30 the steel-casting (steel-moulding) ladle with locking stopper [bottom discharge]

- 31 the ingot mould in block form
- 32 the steel ingot
- 33-43 the pig-casting machine:
- 33 the pouring end
- 34 the iron in-gate (channel)
- 35 the series of pig moulds
- 36 the mould
- 37 the gangway
- 38 the outlet chute
- 39 the pig
- 40 the travelling (*Am.* traveling) crane
- 41 the pig-iron ladle (casting ladle) with top discharge
- 42 the casting ladle lip
- 43 the tilting (*Am.* dumping) device;
- 44-47 the Siemens electric low-shaft furnace:
- 44 the charging mouth
- 45 the electrodes [arranged in a circle]
- 46 the ring pipe for drawing off the furnace gases
- 47 the tap-hole (vent) channel;
- 48-62 the Thomas converter:
- 48 the charging position for pig-iron
- 49 the charging position for lime
- 50 the blasting (operating) position
- 51 the discharging position
- 52 the tilting (*Am.* dumping) device
- 53 the crane-operated ladle
- 54 the auxiliary crane hoist
- 55 the lime bunker
- 56 the fall pipe (down pipe)
- 57 the trough wagon with light scrap iron
- 58 the scrap-iron feed
- 59 the control desk with switches and indicators
- 60 the converter chimney
- 61 the blast main
- 62 the air-jet base





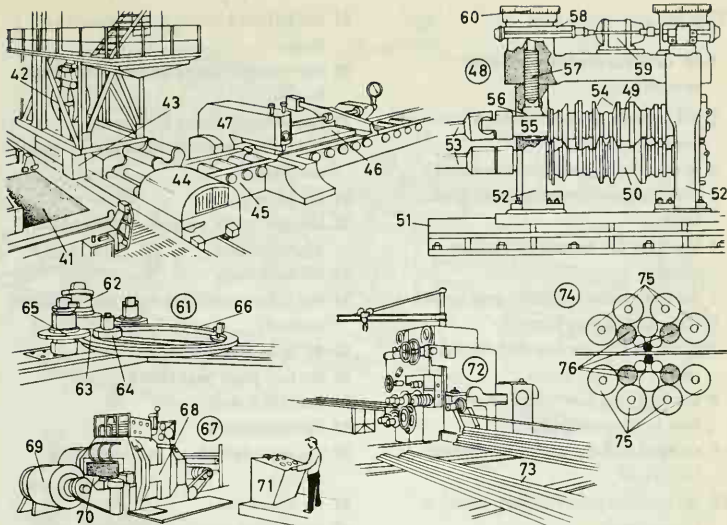
Engl. mould, moulder, moulding = *Am.* mold, molder, molding

1-40 the iron foundry,

1-12 smelting operations:

- 1 the cupola furnace (cupola), a smelting furnace
- 2 the blast main
- 3 the launder (tapping spout)
- 4 the inspection hole
- 5 the tiltable fore-hearth
- 6 the wheeled drum-type ladle
- 7 the furnaceman (smelter)
- 8 the foundryman (founder)
- 9 the tap-hole rod (tapping iron)
- 10 the stopper rod
- 11 the molten pig-iron
- 12 the slag runner;
- 13 the foundryman team (casting team, *Am.* crew):
- 14 the hand shank
- 15 the handle (support)
- 16 the carrying bar
- 17 the slag rod
- 18 the iron weight;

- 19 the closed moulding box:
- 20 the upper box
- 21 the lower box
- 22 the runner (runner gate, down gate, pouring gate, *Am.* sprue)
- 23 the riser (flow-gate, sillage pipe);
- 24 the hand ladle (shank)
- 25-32 the moulding shop (*Am.* moldery),
- 25 the open moulding (casting) box:
- 26 the moulding sand
- 27 the impression of the model or pattern
- 28 the core-print impression
- 29 the core;
- 30 the moulder
- 31 the pneumatic rammer
- 32 the hand stamper;
- 33-40 the cleaning shop:
- 33 the steel grit, or sand, feed-pipe
- 34 the automatic revolving table type shot blasting machine
- 35 the grit guard
- 36 the revolving table
- 37 the casting
- 38 the cleanser



- 39 the pneumatic grinder (pneumatic grinding machine)
40 the pneumatic chisel;

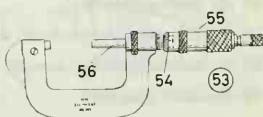
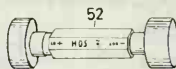
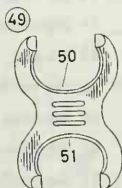
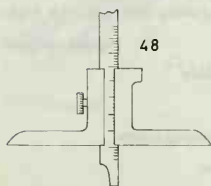
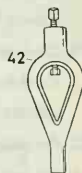
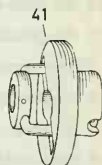
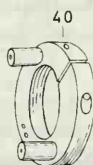
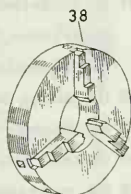
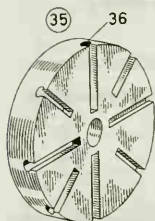
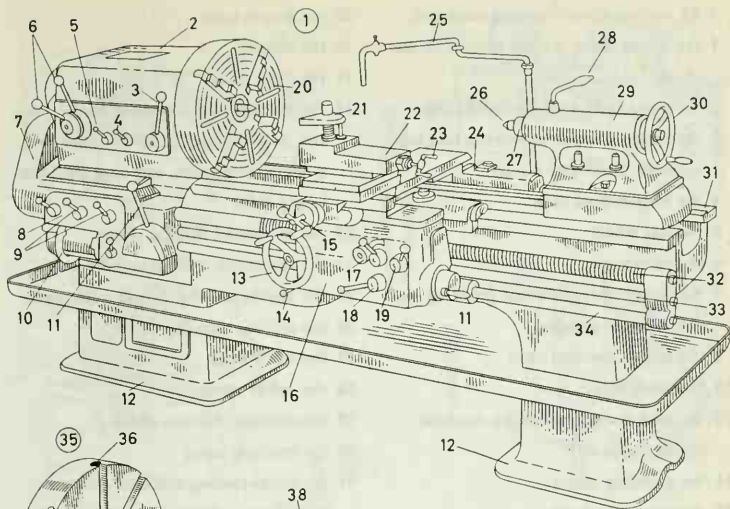
41-76 the rolling mill:

- 41 the soaking pit
42 the soaking pit crane, a stripper crane
43 the slab ingot
44 the ingot chariot (*Am.* dumper)
45 the roller table (blooming train)
46 the piece being rolled
47 the bloom shears
48 the two-high mill
49 and 50 the set of roll(er)s:
49 the upper roll(er)
50 the lower roll(er);
51-55 the roll stand:
51 the base plate
52 the roll housing (roll standard)
53 the coupling spindle
54 the pass (groove)
55 the main roll bearing;
56-59 the adjusting equipment:
- 56 the chock (insert)
57 the main screw
58 the gear
59 the motor;
60 the indicator for rough and fine adjustment
61 the tyre (tire) and wheel-disk (wheel-disc) rolling mill:
62 the working roll(er)
63 the pass
64 the pressure roll(er)
65 the guide roll(er)
66 the angle (flange) ring;
67 the Sendzimir rolling mill, a cold rolling mill (*Am.* plate mill):
68 the rolling-mill case
69 the coiling drum
70 the sheet steel (coachwork sheet, *Am.* chassis sheet)
71 the control desk;
72 the roller-straightening machine:
73 the section steel;
74 the multi-roller plant:
75 the arrangement of the rollers
76 the driven rollers

Engl. gauge = Am. gage

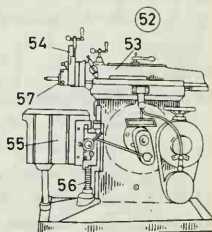
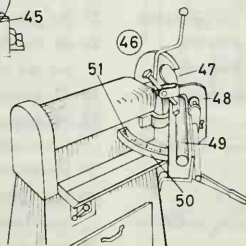
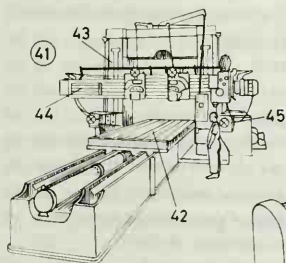
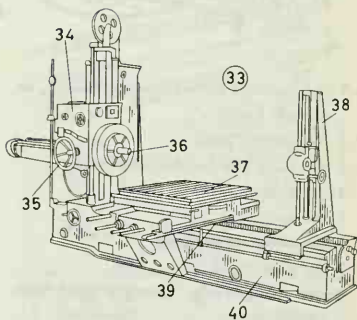
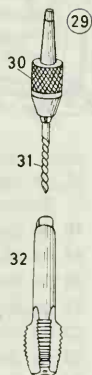
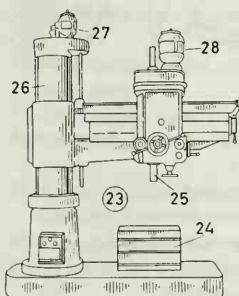
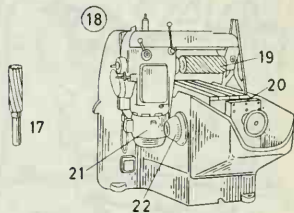
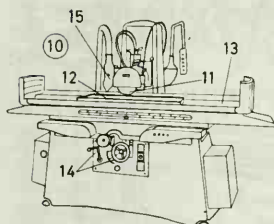
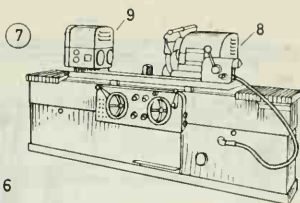
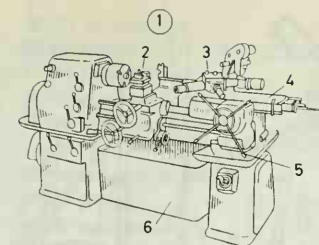
1-47 cutting metal-working machines,

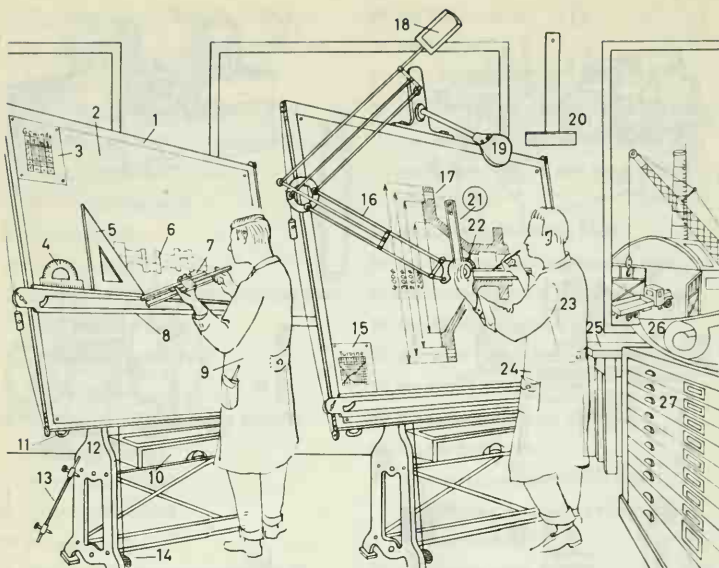
- 1 the lathe (high-speed lathe, metal-turning lathe):
- 2 the gear box (gear case, headstock)
- 3 the reduction (intermediate) gear lever
- 4 the lever for normal and coarse threads
- 5 the lead-screw reversing gear lever
- 6 the speed change lever
- 7 the change gears box with the adjustment plate (quadrant)
- 8 the feed gear box (quick-change gear box, quick-change gear)
- 9 the feed and screw-cutting change levers
- 10 the tumbler yoke (tumbler lever), a change lever
- 11 the switch lever for right and left-hand action of the lead screw
- 12 the lathe base (lathe stand)
- 13 the sliding handwheel (handwheel for carriage)
- 14 the lever for the tool-carrier reversing gear
- 15 the cross-slide handwheel with crank (with crank handle)
- 16 the tool-carrier with apron
- 17 the lever for longitudinal and cross traverse motion
- 18 the feed trip for engaging the feeds
- 19 the lever for the split nut (half nuts) of the lead screw
- 20 the spindle (mandrel, work spindle, headstock spindle)
- 21 the toolholder (tool post)
- 22 the top slide
- 23 the cross slide
- 24 the plain-turning slide (longitudinal slide)
- 25 the coolant supply pipe
- 26 the tailstock centre (*Am. center*)
- 27 the tailstock centre (*Am. center*) sleeve
- 28 the tailstock sleeve locking (clamping) handle
- 29 the tailstock (loose headstock)
- 30 the tailstock sleeve adjusting handwheel
- 31 the lathe bed
- 32 the lead screw with square thread for screw-cutting
- 33 the feed shaft
- 34 the reverse shaft for right and left-hand motion;
- 35-42 lathe accessories,
- 35 the face plate (face chuck):
- 36 the chuck slot;
- 37 the tension jaw
- 38 the three-jaw chuck (self-centering chuck)
- 39 the chuck key
- 40 the driving plate packing ring
- 41 the driving (driver, dog) plate
- 42 the dog-carrier (*Am. driving dog*);
- 43-47 turning (cutting) tools:
- 43 the rough-turning tool
- 44 the finishing tool
- 45 the parting-off (cutting-off) tool
- 46 the screwing (threading, thread-cutting) tool
- 47 the stop measure for adjusting the turning distance;
- 48-56 measuring tools:
- 48 the depth gauge
- 49 the calliper (caliper) gauge (standard gauge, *Am. gap gage*, snap gage), an external limit gauge:
- 50 the go-side
- 51 the not-go side;
- 52 the plug gauge (calibre gauge, *Am. caliber gage*)
- 53 the micrometer gauge:
- 54 the measuring scale
- 55 the graduated thimble
- 56 the ratchet stop



143 Machine Tools II

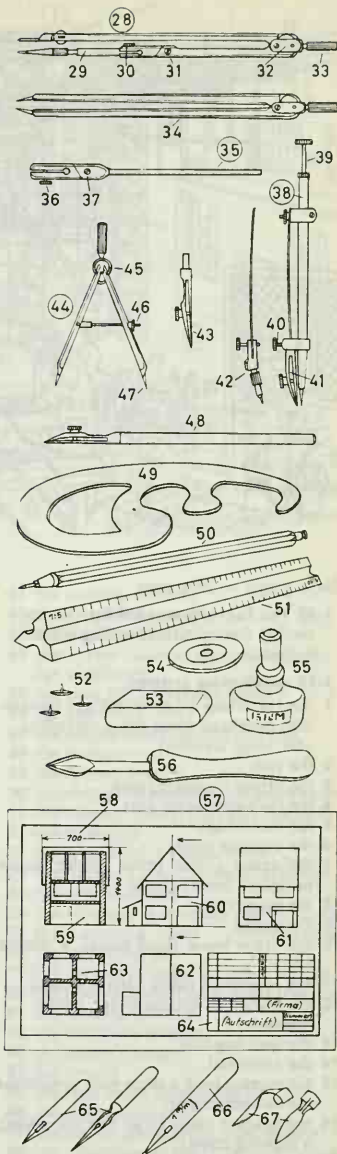
- 1-57 cutting metal-working machines,
 - 1 the turret lathe, a semi-automatic machine:
 - 2 the cross slide with the toolholder
 - 3 the rotating turret (revolving tool box) with the multi-tool holder
 - 4 the longitudinal slide
 - 5 the star wheel
 - 6 the oil trough;
 - 7 the automatic cylindrical grinding machine (metal-grinder):
 - 8 the grinding-wheel head
 - 9 the work drive;
 - 10 the surface (face) grinding machine (surface-grinder):
 - 11 the grinding wheel
 - 12 the magnetic chuck
 - 13 the work table
 - 14 the table-adjustment handwheels
 - 15 the grinding-dust extractor (metal-dust remover);
 - 16 the slot (groove) milling tool
 - 17 the shank-end mill (cylindrical cutter)
 - 18 the metal-milling machine (surface-milling machine):
 - 19 the surface-cutter (cylindrical cutter)
 - 20 the work table
 - 21 the driving motor for the milling spindle (cutter spindle)
 - 22 the table feed drive;
 - 23 the metal-drilling machine (radial drilling machine):
 - 24 the drilling table
 - 25 the drilling spindle
 - 26 the column (rotary column sleeve)
 - 27 the hoisting (lifting) motor
 - 28 the driving motor;
 - 29 the Morse cone:
 - 30 the chuck
 - 31 the twist drill;
 - 32 the machine tap (finishing cutter, one-cut finishing drill); *at the same time*: taper, intermediate, and plug, drill (finishing drill)
 - 33 the horizontal drilling plant:
 - 34 the adjustable drilling-spindle case
 - 35 the handwheel for height adjustment
 - 36 the drilling spindle
 - 37 the work table
 - 38 the steady stand
 - 39 the carriage (bottom slide)
 - 40 the machine base;
 - 41 the metal-planing machine (planer, metal-planer, hydraulic twin-column planing machine):
 - 42 the planing table
 - 43 the column
 - 44 the cross slide with vertical adjustment
 - 45 the tool-carrier (planing slide) with lateral adjustment;
 - 46 the metal-cutting circular saw (cold saw), a slide saw, a pendulum saw:
 - 47 the metal-cutting saw blade
 - 48 the work-holder
 - 49 the work (*Am.* production, subject)
 - 50 the bevel arm
 - 51 the mitre scale (*Am.* miter scale);
 - 52 the shaping machine (short-stroke, or high-speed, planing machine, *Am.* high-speed shaper):
 - 53 the ram
 - 54 the vertical slide
 - 55 the table
 - 56 the table-elevating screw
 - 57 the toolholder

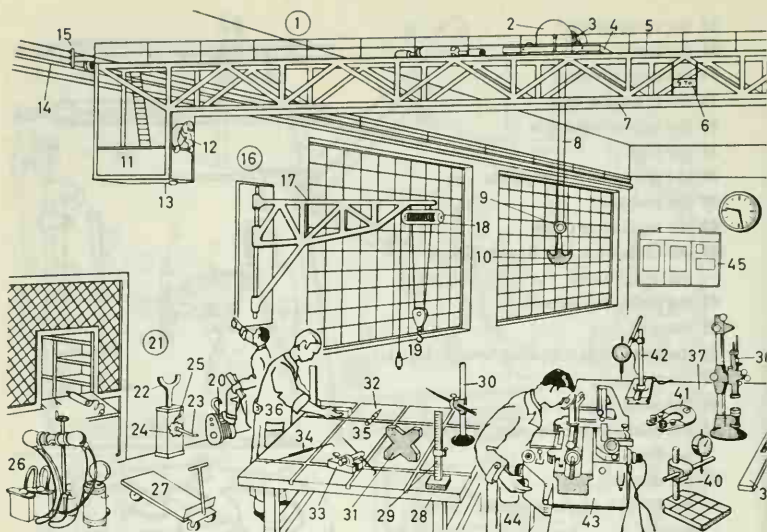




- 1 the drawing table (drawing board), an upright board
- 2 the tracing paper
- 3 the value tabulation (value table)
- 4 the protractor
- 5 the set square
- 6 the technical drawing
- 7 the slide rule
- 8 the straight edge (straight rule) with parallel guide
- 9 the draftsman (draughtsman, designer)
- 10 the instrument box
- 11 the handle for adjusting the drawing board
- 12 the stand
- 13 the beam compass(es) (trammels, *Am.* beam trammel)
- 14 the foot lever for adjusting the height of the drawing table
- 15 the diagram (graph, chart)
- 16 the drafting machine with parallelogram guide
- 17 the technical sectional drawing with dimensions
- 18 the counterweight
- 19 the adjustable drawing-board lamp
- 20 the Tee-square (T-square)
- 21 the drawing ruler:
- 22 the adjustable knob;
- 23 the designing engineer, a technician
- 24 the draftsman's (draughtsman's, designer's) overall
- 25 the table
- 26 the drawings
- 27 the plan-filing cabinet
- 28 48 the drawing instruments (drawing set, set of mathematical instruments),
- 28 47 drawing compasses,
- 28 the pair of combination compasses (*Am.* extension divider):
- 29 the pencil attachment
- 30 the tightening screw to grip the attachments
- 31 the joint

- 32 the opening joint
- 33 the head;
- 34 the large dividers
- 35 the extension arm:
- 36 the tightening screw
- 37 the joint;
- 38 the spring bow compasses:
- 39 the plunger
- 40 the regulating screw
- 41 the Indian-ink attachment (China-ink attachment)
- 42 the pencil attachment
- 43 the nib;
- 44 the hair dividers (spring bow dividers):
- 45 the spring
- 46 the adjusting screw
- 47 the compass needle point (compass needle);
- 48 the drawing pen;
- 49 the French curve (irregular curve, curve)
- 50 the propelling pencil with the refill (refill lead)
- 51 the triangular scale, a reduction scale
- 52 the drawing pin (*Am.* push pin, thumb tack)
- 53 the pencil rubber (pencil india rubber)
- 54 the Indian-ink rubber
- 55 the ink bottle with Indian (China) ink
- 56 the erasing knife (eraser)
- 57 the building plan (architect's plan):
- 58 the measurement (dimension line)
- 59-63 projections:
- 59 the section
- 60 the front elevation (front view)
- 61 the side elevation (side view)
- 62 the plan
- 63 the ground plan (foundation plan);
- 64 the title of the drawing with material bill;
- 65 the drawing nib (loose nib)
- 66 the writing nib for various thicknesses
- 67 the slip-on nib





Engl. gauge = Am. gage

1-45 the factory workshop, an assembly (erection) and testing (checking) shop,

1-19 workshop cranes,

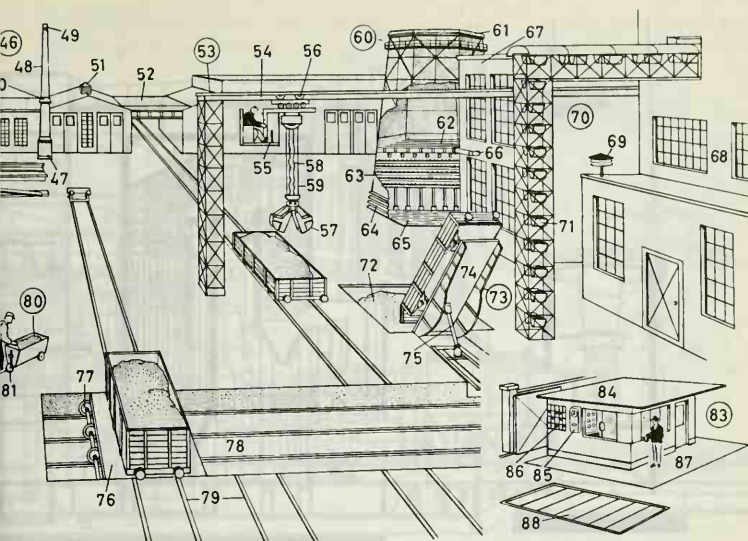
- 1 the travelling (*Am.* traveling; traversing) overhead crane (shop traveller, *Am.* shop traveler);
- 2 the crab
- 3 the lifting (hoisting) gear
- 4 the crab-traversing gear
- 5 the footbridge
- 6 the capacity plate
- 7 the crane girder (main girder, crane bridge), a lattice girder
- 8 the crane rope
- 9 the pulley
- 10 the crane hook (load hook), a double hook
- 11 the operator's cabin (driver's cage)
- 12 the craneman (crane-driver, crane-operator)
- 13 the warning bell
- 14 the crane rail
- 15 the current lead, a three-pole conductor rail or contact rail;
- 16 the bracket crane (wall slewing crane), a slewing crane:
- 17 the jib (crane jib, crane arm)

- 18 the electro pulley blocks (electro blocks)
- 19 the control switch, a push-button (press-button) switch;
- 20 the rope block
- 21 the foot winch, a rack-and-pinion winch:

- 22 the toothed rack
- 23 the hand crank
- 24 and 25 the ratchet (stop gear, locking mechanism):
- 24 the ratchet wheel
- 25 the pawl (click);
- 26 the X-ray apparatus for testing metals
- 27 the lifting truck
- 28 the marking-off plate (laying-out plate, marking-out plate)

29-35 marking-out (marking-off) implements:

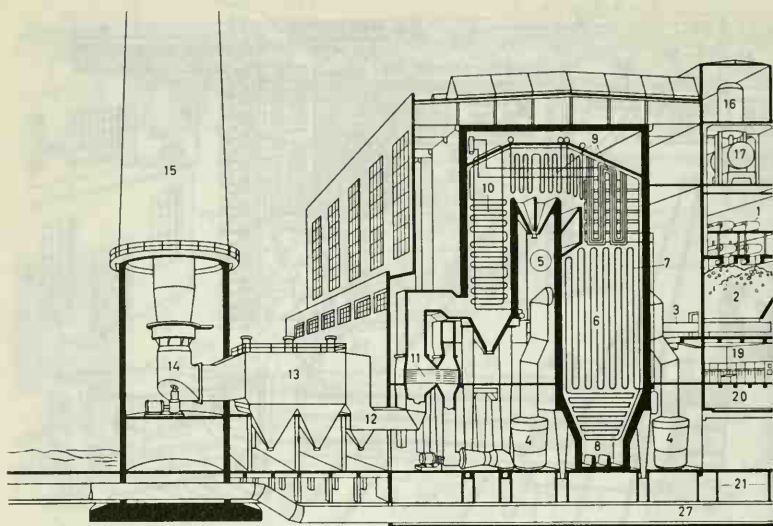
- 29 the height gauge
- 30 the sliding block (surface gauge, marking gauge, shifting gauge)
- 31 the prism
- 32 the centre punch (*Am.* center punch)
- 33 the scribing block
- 34 the scriber (drop point)
- 35 the back square (try square);
- 36 the marker-off
- 37 the product-checking (product-testing) table



38-43 precision measuring instruments (*Am.* dial bench gages):

- 38 the thickness gauge
- 39 the precision water level
- 40 the meter stand
- 41 the screw-thread gauge (*Am.* thread pitch gage)
- 42 the electric precision calipers (dial indicator)
- 43 the tool-measuring microscope (eyepiece micrometer);
- 44 the chief inspector
- 45 the notice board (*Am.* billboard);
- 46 the factory chimney (chimney shaft):
- 47 the chimney base
- 48 the chimney (smoke) stack
- 49 the chimney top
- 50 the grit (dust) filter;
- 51 the ventilator hood (ventilation)
- 52 the covered bridge
- 53 the electric overhead monorail (telfer line; suspension monorail):
- 54 the rail
- 55 the cabin (suspended platform)
- 56 the crab
- 57 the grab (grab bucket)
- 58 the hauling (traction) rope
- 59 the load (standing) rope;
- 60 the cooling tower, a chimney cooler, a recooling plant:

- 61 the cooling chimney
- 62 the distributing gutter
- 63 the drip installation
- 64 the louvre (louver, shutter) opening for ventilation
- 65 the tank for the cooled water
- 66 the hot-water inlet;
- 67 the engine room (power station)
- 68 the boiler room
- 69 the factory siren
- 70 the tilting-bucket conveyor, an elevator:
- 71 the elevator scoop (elevator bucket);
- 72 the filling pit
- 73 the wagon tip, a platform tip:
- 74 the tipping (*Am.* dumping) platform
- 75 the pressure ram;
- 76 the traverser (traversing platform, *Am.*
- 77 the traversing wheel | transfer table)
- 78 the traversing pit
- 79 the private sidings, a works' sidings
- 80 the three-wheeled truck, a hand barrow:
- 81 the steering castor;
- 82 the transport worker
- 83 the porter's lodge:
- 84 the checks
- 85 the time clock (check clock)
- 86 the clocking-in card;
- 87 the porter (gatekeeper, *Am.* janitor)
- 88 the weighbridge (lorry, or cart, weighing machine), a centesimal balance



1-28 the steam power station,
a generating station,

1-21 the boiler house:

1 the coal conveyor

2 the coal bunker

3 the coal conveyor

4 the coal mill (coal-grinder, coal-crusher)

5 the steam boiler, a water tube boiler:

6 the furnace (combustion chamber)

7 the water tubes

8 the ash pit (clinker pit)

9 the superheater

10 the water pre-heater

11 the air pre-heater

12 the gas duct (flue);

13 the dust collecting plant, an electrical precipitation plant

14 the induced draught fan

15 the chimney

16 the de-aerator

17 the feed water tank (hotwell)

18 the boiler feed pump

19 the switch gear

20 the cable tunnel

21 the cable cellar;

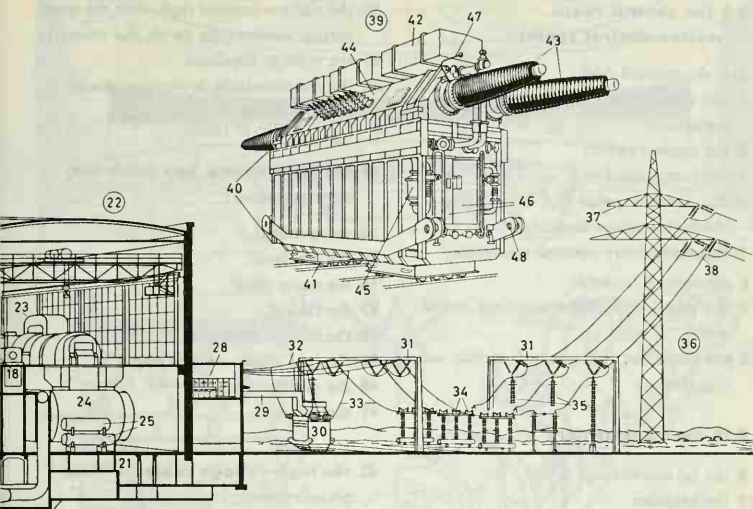
22 the turbine room:

23 the steam turbine with alternator

24 the surface condenser

25 the low-pressure pre-heater

26 the high-pressure pre-heater



27 the circulating water pipe

28 the control room;

29-35 the outdoor substation:

29 the busbars

30 the power transformer,
a transportable transformer

31 the gantry

32 the high-voltage overhead
conductor

33 the high-voltage conductor

34 the air-blast circuit-
breaker

35 the surge diverter;

36 the overhead line (transmission
line) tower or pylon, a lattice-
type tower:

37 the cross arm

38 the suspension insulator;

**39 the transportable
transformer** (power
transformer, transformer):

40 the transformer tank

41 the transport bogies

42 the oil conservator

43 the high-voltage bushings
or terminals

44 the low-voltage bushings
or terminals

45 the oil-circulating pump

46 the oil cooler

47 the arcing horn

48 the transport lug

1-8 the control room (station control room),

1-6 the control desk:

- 1 the controls for the three-phase generators
- 2 the control switch
- 3 the lamp signal
- 4 the control panel for controlling the high-voltage circuits:
- 5 the supervisory control apparatus;
- 6 the control buttons;
- 7 the panel with the measuring instruments
- 8 the luminous (illuminated) circuit diagram;

9-18 the transformer:

- 9 the oil conservator
- 10 the breather
- 11 the oil level gauge (*Am. gage*)
- 12 the bushing insulator
- 13 the tapping switch
- 14 the yoke
- 15 the primary winding (high-voltage winding)
- 16 the secondary winding (low-voltage winding)
- 17 the core
- 18 the tapping lead;

19 the transformer connection:

- 20 the star connection
- 21 the delta (mesh) connection
- 22 the neutral point;

23-30 the steam turbine (turbo-alternator set):

- 23 the high-pressure cylinder
- 24 the medium-pressure cylinder
- 25 the low-pressure cylinder
- 26 the three-phase alternator
- 27 the hydrogen-cooler
- 28 the cross-over pipe
- 29 the regulating valves

- 30 the turbine control desk with the measuring instruments (with the meters);
- 31 the voltage-regulator
- 32 the synchronizing device (automatic synchronizer)

33 the trifurcating box (cable box, cable terminal):

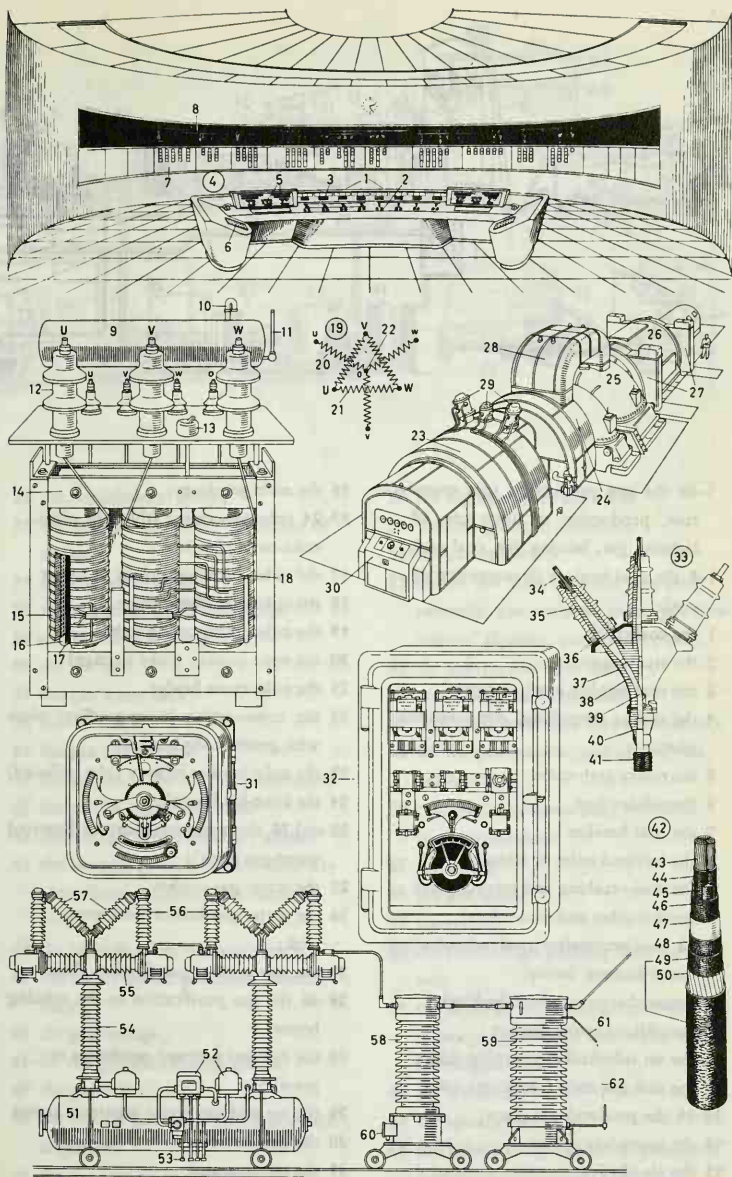
- 34 the terminal
- 35 the insulator
- 36 the stress cone
- 37 the casing
- 38 the filling compound
- 39 the lead sheath or covering
- 40 the plumbing gland
- 41 the cable;

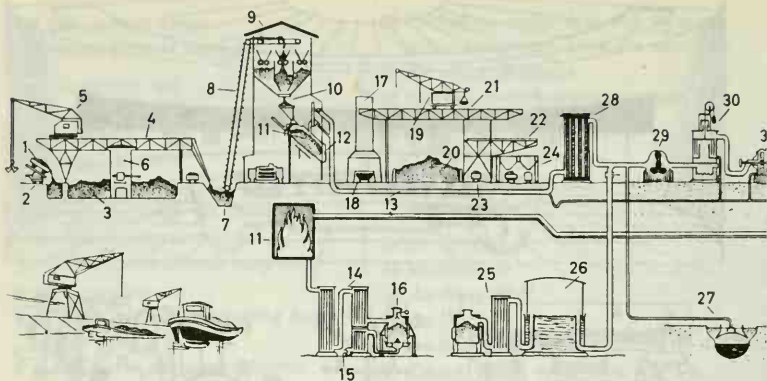
42 the high-voltage cable for three-phase current:

- 43 the conductor
- 44 the metallised paper
- 45 the conductor insulation
- 46 the muslin lap
- 47 the lead sheath
- 48 the asphalted paper
- 49 the jute serving
- 50 the steel tape, or steel wire, armouring (*Am. armoring*);

51-62 the air-blast circuit-breaker:

- 51 the compressed-air receiver
- 52 the operating mechanism
- 53 the compressed-air connection
- 54 the hollow-pin insulator, a chain insulator, a cap-type insulator
- 55 the blast head
- 56 the resistor
- 57 the auxiliary (secondary) contacts
- 58 the current-transformer
- 59 the voltage-transformer
- 60 the secondary terminal box
- 61 the arcing horn
- 62 the protecting gap





1-46 the gas production (gas manufacture, production of town gas, of lighting gas, heating gas, coal gas),

1-9 the coal haulage (transporting of coal):

1 the coal truck

2 the truck-tipper

3 the coal bunker (coal storage)

4 the sliding (travelling, *Am.* traveling) platform

5 the rotary grab crane

6 the telfer line

7 the coal-breaker

8 the inclined hoist or elevator

9 the coal-crushing and mixing plant (coal-crusher and coal-mixer);

10-12 coal-processing (coal carbonization, retort furnace house):

10 retort-charging (retort-feeding)

11 the oblique retort furnace

12 the tar tube and discharging door;

13 the raw-gas main (crude-gas main)

14-16 the producer-gas plant:

14 the secondary cooler

15 the air-blower

16 the main producer;

17-24 coke-processing (the coke plant, coke-oven plant):

17 the coke-quenching plant or tower

18 the coke-quenching truck

19 the coke-transporting unit

20 the coke bunker (coke storage)

21 the coke crane bridge

22 the coke-sorting (coke-grading) plant with graded coke bunkers

23 the coke bunker railway (*Am.* railroad)

24 the coke-loading plant;

25 and 26 the water-gas plant (carburetted water-gas plant):

25 the water-gas washer

26 the water-gas holder with water tank;

27 the waste-water purification plant

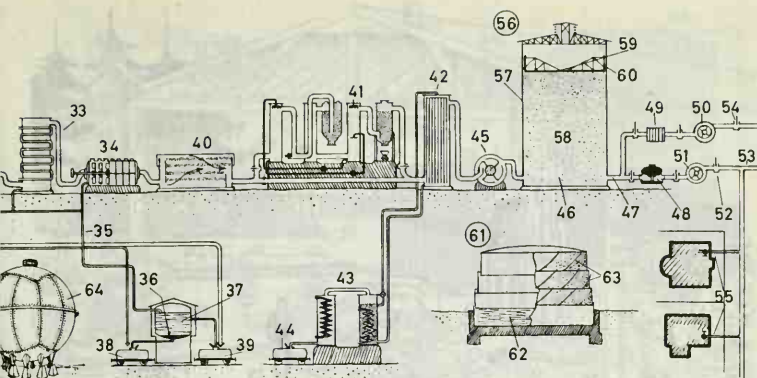
28-46 the gas purification in the refining house:

28 the raw-gas primary condenser or pre-cooler

29 the tar and gas water separator pump

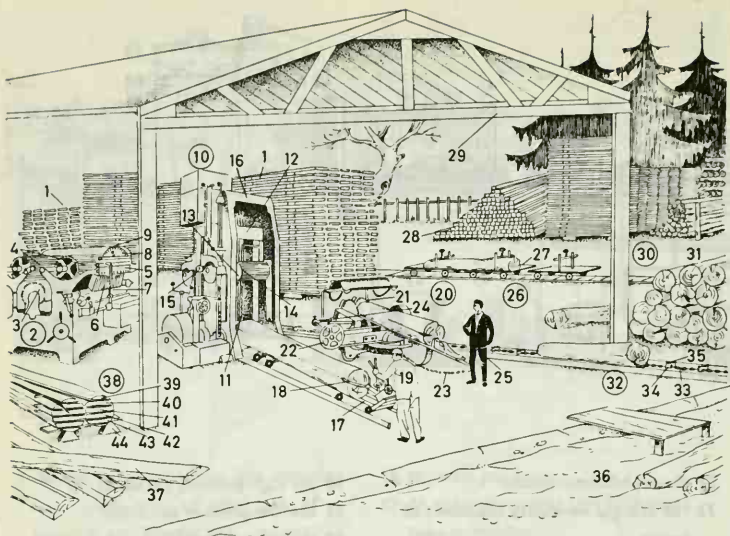
30 the gas-extractor

31 the tar-separator



- 32 the naphthalene-washer
- 33 the raw-gas secondary condenser or cooler
- 34 the ammonia-washer
- 35 the ammonia-water waste pipe
- 36 and 37 the separating tank:
- 36 the tar tank
- 37 the gas water tank;
- 38 the tar truck
- 39 the gas water truck
- 40 the sulphur (*Am.* sulfur) purification
- 41 the gas de-poisoning plant
- 42 the benzole (*Am.* benzene) washer
- 43 the benzole (*Am.* benzene) recovery plant (benzole plant, *Am.* benzene plant)
- 44 the benzole (*Am.* benzene) truck
- 45 the rotary-piston gas meter (station meter)
- 46 the gas storage;
- 47-55 the gas-distributing plants:
- 47 the gas main
- 48 the station governor (town pressure regulator)
- 49 the gas compressor

- 50 the high-pressure gas meter
- 51 the low-pressure gas meter
- 52 the gas main cock
- 53 and 54 the town network (gas pipe network, gas pressure main, gas consumers' pipeline, gas service pipes):
- 53 the low-pressure gas main
- 54 the high-pressure gas main;
- 55 the consumers' lines (gas installation);
- 56-64 the gasometers (gasholders, *Am.* gas tanks),
- 56 the five-lift (five-section) waterless piston gasometer:
- 57 the casing
- 58 the gas space
- 59 the piston
- 60 the piston-edge packing with liquid seal;
- 61 the three-lift (three-bell, three-section) telescopic gasometer with water tank (spiral gasometer):
- 62 the water seal
- 63 the spiral guide rails;
- 64 the spherical high-pressure gasometer (spherical gasometer)



Engl. timber = Am. timber or lumber

1–59 the saw mill and planing shop:

- 1 the squared planks (trimmed timber, timber store, stack of planks)
- 2 the straight line edger (*Am. buzz saw*):
- 3 the set of saw blades
- 4 the feeding rollers
- 5 the breadth (width) scale
- 6 the recoil guard
- 7 the breadth (width) indicators
- 8 the feed scale
- 9 the height scale;
- 10 the vertical log frame (*Am. gang mill*):
- 11 the saw blades
- 12 the saw frame
- 13 the feed rollers (guiding rollers)
- 14 the fluting (grooving) on rollers

15 the oil pressure gauge (*Am. gage*; oil manometer)

16 the vertical log frame (*Am. gang mill*)

17 the mechanical dog

18 the clamping irons (clamping claws);

19 the saw mill worker (*Am. sawyer*)

20 the twin timber circular saw (*Am. buzz saw*):

21 the circular saw (*Am. buzz saw*) blades

22 the cutting-breadth regulator

23 the feeding chain

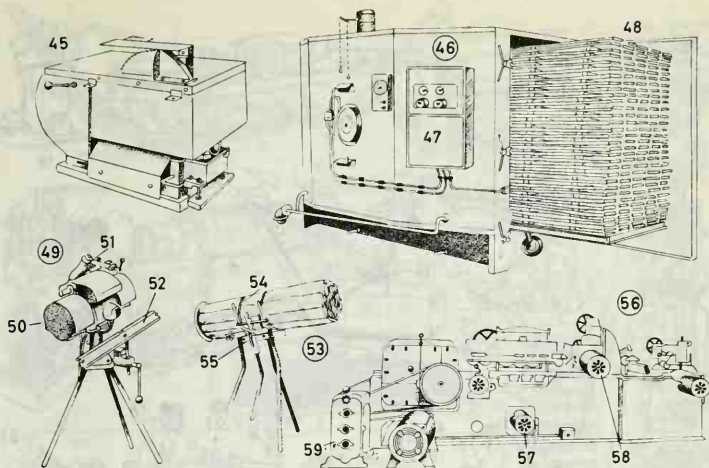
24 the saw axle;

25 the saw mill foreman

26 the light-railway track (*Am. narrow-gage railroad track*):

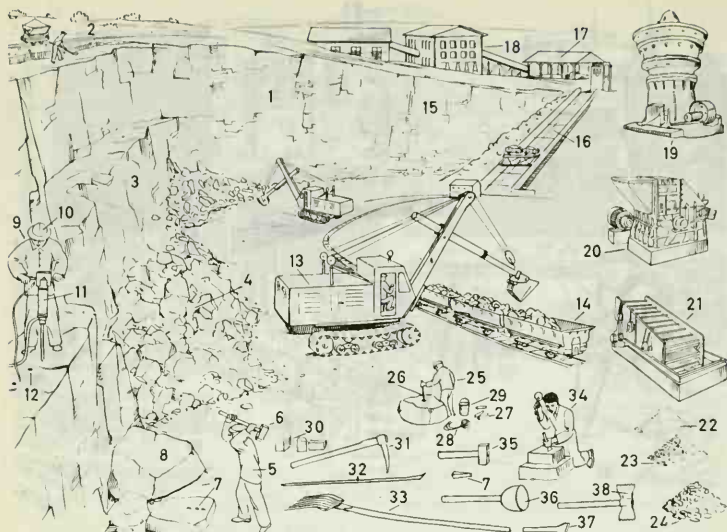
27 the log truck;

28 the pile of scantlings (of rectangular timber)



29 the sawing and planing shed
 30 the log stock yard (log yard):
 31 the logs;
 32 the log conveyor:
 33 the endless chain
 34 the scraper flight
 35 the engaging dogs (dogs);
 36 the water channel for log-cleansing
 37 the slab wood
 38 the sawn log:
 39 the slab
 40 the heartwood side
 41 the heart (duramen)
 42 the side next to the heart
 43 the sapwood (alburnum) side;
 44 the concrete pile
 45 the circular saw for cutting to length (cross-cut circular saw, *Am.* buzz saw)

46 the kiln drying chamber:
 47 the control box
 48 the board stack;
 49 the bark-stripping (barking) machine:
 50 the barking head with flat knives
 51 the electric grinding machine
 52 the wood rest;
 53 the faggot-bundling press for pressing slabs and trimmings:
 54 the tightening rope
 55 the tightening device;
 56 the electric planing machine:
 57 the wood-shavings chipper motor
 58 the cutter blocks
 59 the feed control gears

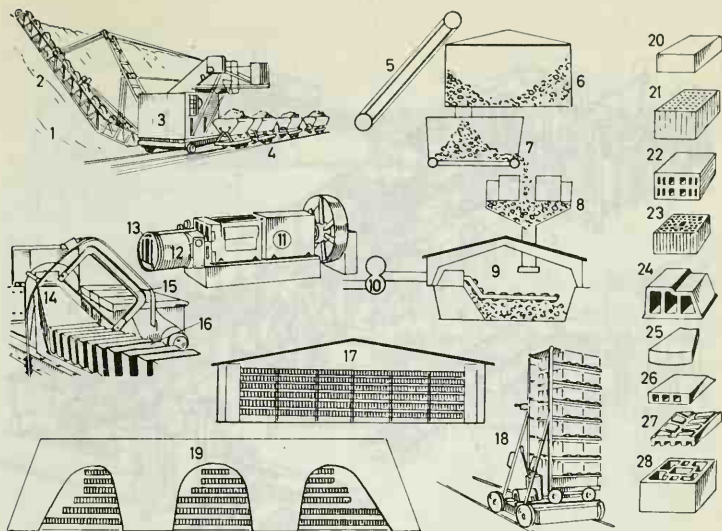


- 1 the quarry, an opencast working
- 2 the overburden
- 3 the working face (rock face)
- 4 the loose rock pile (blasted rock)
- 5 the quarryman (quarry labourer)
- 6 the sledge hammer
- 7 the wedge
- 8 the block of rock, a large rock
- 9 the driller
- 10 the safety hat (safety helmet)
- 11 the hammer drill (rock drill)
- 12 the borehole
- 13 the excavator (navvy)
- 14 the rail truck (quarry wagon)
- 15 the rock face (quarry face)
- 16 the inclined hoist
- 17 the primary crusher
- 18 the stone-crushing plant
- 19 the gyrotory crusher (primary crusher)
- 20 the hammer crusher (impact crusher)

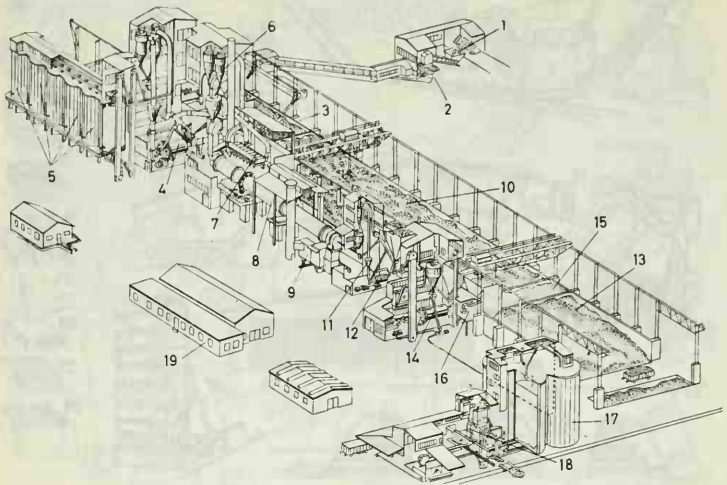
- 21 the vibrating screen
- 22 the fine screenings (dust)
- 23 the stone chippings
- 24 the crushed stone
- 25 the shot firer or blaster
- 26 the measuring rod (tamping rod)
- 27 the blasting cartridge
- 28 the fuse
- 29 the plugging sand (stemming sand)
- 30 the dressed stone (ashlar)
- 31 the pick
- 32 the crowbar (pinchbar)
- 33 the fork
- 34 the stone mason

35-38 the mason's tools:

- 35 the stone hammer
- 36 the stone mason's mawl
- 37 the broad chisel
- 38 the dressing axe



- 1 the clay pit
- 2 the loam, an impure clay (brick clay)
- 3 the multi-bucket excavator
- 4 the narrow-gauge tramway
- 5 the elevator
- 6 the ageing pits
- 7 the box feeder
- 8 the wet-pan mill (edge runner mill)
- 9 the rolling plant
- 10 the double-shaft trough mixer
- 11 the de-airing brick machine:
- 12 the vacuum chamber
- 13 the die;
- 14 the clay column
- 15 the cutting-off table
- 16 the unfired (green) brick
- 17 the drying shed
- 18 the finger car (stacker truck)
- 19 the kiln (brick kiln, tile kiln)
- 20 the solid brick (building brick)
- 21 and 22 perforated bricks:
 - 21 the brick with vertical perforations
 - 22 the hollow clay block with horizontal ports;
- 23 the hollow clay block with vertical ports
- 24 the clay floor block
- 25 the radial brick (for chimneys or wells)
- 26 the flue lining brick
- 27 the paving brick
- 28 the cellular chimney brick



1 the raw material intake

[limestone, clay and marl]

2 the hammer mill

(hammer crusher)

3 the raw material store

4 the raw grinding mill and
drier

5 the raw meal silos

6 the heat-exchanger

7 the dust collector

8 the rotary kiln

9 the clinker cooler (grate
type cooler)

10 the clinker store

11 the primary air-blower

12 the coal pulverising plant
(coal mill)

13 the coal store

14 the cement grinding mill

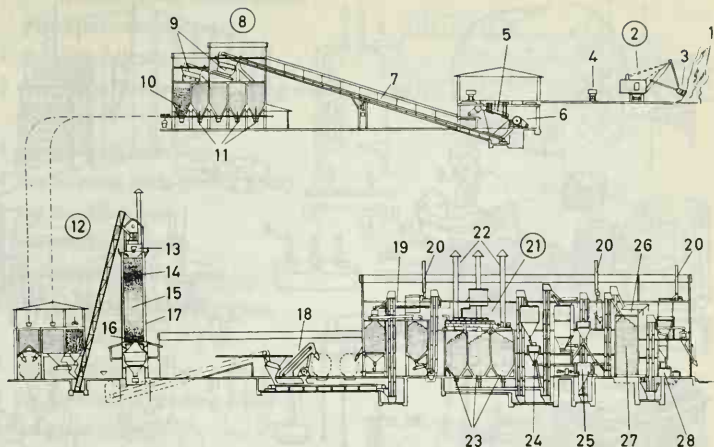
15 the gypsum store

16 the gypsum crusher

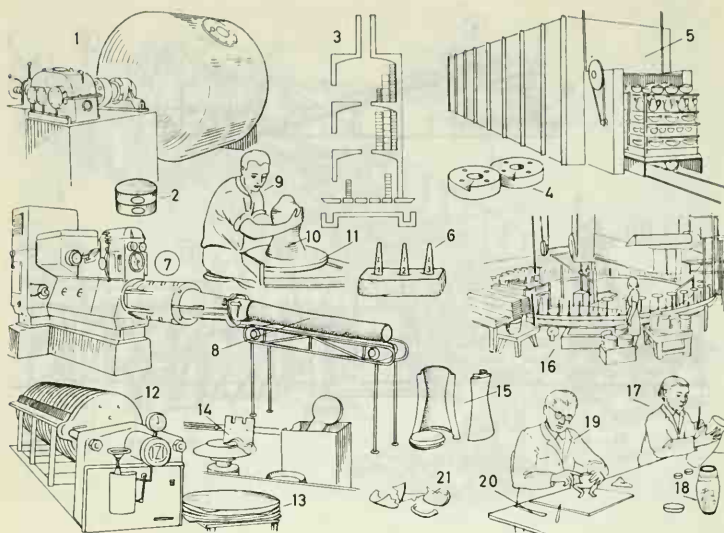
17 the cement silo

18 the cement packing plant

19 the power station
(generating plant)

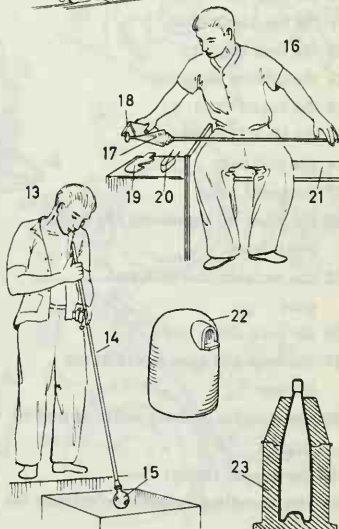
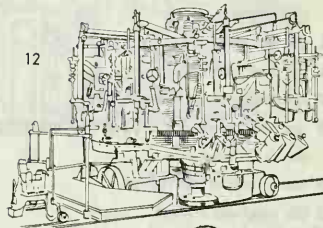
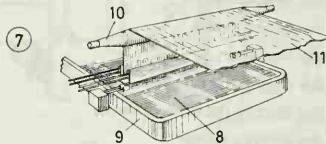
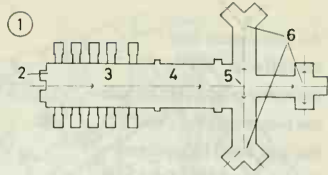


- | | |
|--|---|
| 1 the quarry | 15 the burning zone |
| 2 the excavator, the navvy: | 16 the quicklime |
| 3 the excavator bucket; | 17 the kiln shell; |
| 4 the wagon | 18 the lime crusher and lump lime loader |
| 5 the bar screen | 19 the pulverising and screening plant |
| 6 the primary crusher | 20 the dust collector |
| 7 the belt conveyor | 21 the lime slaking plant (hydrator): |
| 8 the screening plant: | 22 the vapour vent |
| 9 the vibrating screen; | 23 the slaked lime silo, the soaking tank |
| 10 the crushed limestone | 24 the air separator (sifter); |
| 11 the limestone fines (crushed stone aggregate) | 25 the pulverisor |
| 12 the lime kiln (vertical kiln, shaft kiln): | 26 the hydrated lime silo |
| 13 the kiln charger | 27 the hydrated lime |
| 14 the kiln charge (mixture of limestone and coke) | 28 the packing plant |



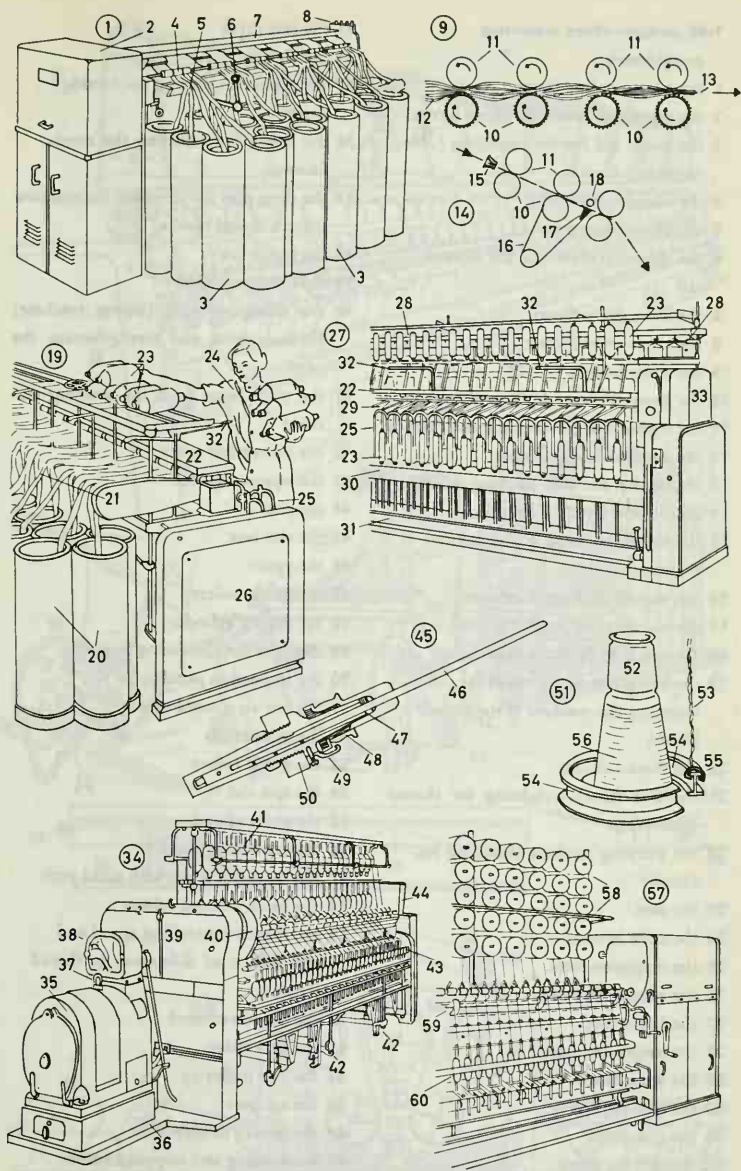
- 1 the grinding cylinder (ball-mill) for the preparation of the raw material in the slip state (in water)
- 2 the sample saggar (sample seggar) with aperture for observing the firing process
- 3 the bottle oven (intermittent kiln) [diagram]
- 4 the firing setter (*Am.* firing mold)
- 5 the tunnel kiln
- 6 the Seger cone (pyrometric cone) for measuring high temperatures.
- 7 the de-airing pug, an extrusion press:
- 8 the clay column;
- 9 the thrower throwing a 'slug' of clay
- 10 the 'slug' of clay
- 11 the throwing wheel; *sim.* potter's wheel
- 12 the filter press
- 13 the filter cake
- 14 the jigger or jolley for shaping the rotating clay with a template
- 15 the plaster mould (*Am.* mold) for slip-casting
- 16 the turntable glazing machine
- 17 the porcelain painter (china painter)
- 18 the hand-painted vase
- 19 the burnisher
- 20 the blood-stone (*Am.* modeling stick)
- 21 the broken pottery ('shards')

- 1-11 the sheet-glass manufacture (flat-glass manufacture),
- 1 the tank furnace [diagram]:
- 2 the frontal feeder for feeding the mixture
- 3 the melting bath
- 4 the refining bath (fining bath)
- 5 the working bath
- 6 the working canal;
- 7 the glass-drawing machine:
- 8 the glass melt (molten glass, 'metal')
- 9 the drawing hearth
- 10 the air-cooled bending roller
- 11 the glass sheet;
- 12 Owen's bottle-blowing machine, a fully automatic machine for making bottles
- 13-15 glass-blowing (mouth-blowing):
- 13 the glass-blower
- 14 the blowing iron (blowing tube)
- 15 the parison;
- 16-21 piece work on glassware:
- 16 the glass finisher (chair worker)
- 17 the mouth-blown goblet
- 18 the implement for forming the goblet foot
- 19 the shape gauge (*Am.* shape gage)
- 20 the glass-blower's tongs
- 21 the glass-maker's chair or bench or stool;
- 22 the hooded furnace pot
- 23 the mould (*Am.* mold) for blowing up the pre-moulded (*Am.* pre-molded) parison



- 1 the ripe cotton boll
- 2 the full cop
- 3 the compressed cotton bale:
- 4 the jute wrapping ('tare')
- 5 the iron band (hoop iron)
- 6 the lot numbers of the bale;
- 7 the bale-breaker:
- 8 the lattice feeder
- 9 the feed box
- 10 the dust extraction fan
- 11 the duct to the dust chamber
- 12 the driving motor
- 13 the conveyor lattice;
- 14 the double scutcher and lap machine:**
- 15 the lap rest
- 16 the rack head
- 17 the machine-starting handle
- 18 the handwheel for raising and lowering the rack head
- 19 the movable lap-turner
- 20 the calender rollers
- 21 the top cage cover
- 22 the dust chimney
- 23 the driving motors
- 24 the beater shaft;
- 25 the Kirschner beater
- 26 the grid bars
- 27 the pedal roller
- 28 the lever for regulating the feed, a pedal lever;
- 29 the variable change-speed gear
- 30 the cone drum box
- 31 the stop and start levers to the hopper
- 32 the wooden delivery roller of the hopper
- 33 the hopper feeder;
- 34 the carding engine** (revolving flat card):
- 35 the card can for receiving the coiled sliver
- 36 the can-holder
- 37 the calender rollers
- 38 the sliver
- 39 the doffer comb
- 40 the start-stop lever
- 41 the grinding-roller bearing
- 42 the doffer
- 43 the cylinder
- 44 the flat cleaner
- 45 the flats
- 46 the supporting pulleys for the flats
- 47 the scutcher lap
- 48 the lap-holder
- 49 the driving motor with flat belt
- 50 the main driving pulley (fast and loose driving pulley);
- 51 line diagram of the card:
- 52 the feed roller
- 53 the lick-in (taker-in) roller
- 54 the taker-in under casing
- 55 the cylinder under casing;
- 56 the comber:**
- 57 the gear box
- 58 the laps ready for combing
- 59 the calender rollers
- 60 the comber draw box
- 61 the counter
- 62 the coiler top;
- 63 diagram showing the principles of comber:
- 64 the lap
- 65 the bottom nipper
- 66 the top nipper
- 67 the top comb
- 68 the combing cylinder
- 69 the plain segment of the cylinder
- 70 the needled half-lap
- 71 the detaching rollers
- 72 the combed material

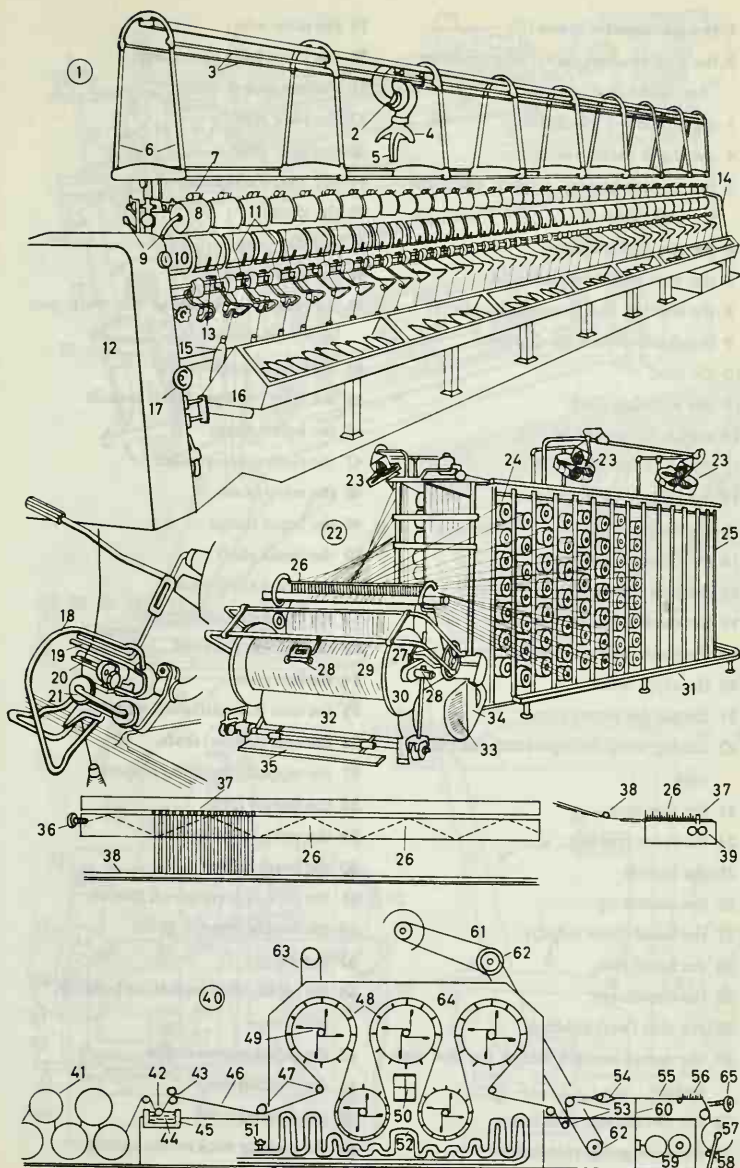
- 1 the draw-frame:**
- 2 the gear box with built-in motor
- 3 the sliver cans
- 4 the single preventor rollers
- 5 the doubling of the slivers
- 6 the stopping handle
- 7 the draw-frame cover
- 8 the indicator lamps;
- 9 the four-roller draw-frame [diagram]:
- 10 the bottom rollers (fluted steel rollers)
- 11 the top rollers covered with rubber compound
- 12 the doubled slivers before drafting
- 13 the sliver after drafting;
- 14 the high-draft system (high-draft draw-frame) [diagram]:
- 15 the feeding-in of the roving through condenser
- 16 the leather (composition) 'apron'
- 17 the guide bar
- 18 the light top roller;
- 19 the high-draft speed frame (fly frame, slubbing frame):
- 20 the sliver cans
- 21 the sliver being fed to the drafting rollers
- 22 the drafting rollers with top clearers
- 23 the slubbing bobbins
- 24 the slubber tenter
- 25 the flyer
- 26 the frame end plate;
- 27 the intermediate frame:
- 28 the bobbin creel
- 29 the roving emerging from the drafting rollers
- 30 the lifter rail
- 31 the spindle drive
- 32 the stopping handle
- 33 the gear box with built-on motor;
- 34 the ring frame** (ring spinning frame):
- 35 the three-phase motor
- 36 the motor base plate
- 37 the ring for lifting the motor
- 38 the control for variable-speed spindle
- 39 the headstock (gear case)
- 40 the change wheels for varying the yarn count
- 41 the full creel
- 42 the shafts and levers for raising and lowering the ring rail
- 43 the spindles with the separators
- 44 the sucking box connected to the front roller underclearers;
- 45 the standard ring spindle** (*Am.* conventional spindle):
- 46 the spindle shaft
- 47 the roller bearing
- 48 the spindle wharve
- 49 the spindle catch
- 50 the spindle rail;
- 51 ring and traveller (*Am.* ring and traveler; the spinning devices):
- 52 the top of the ring tube or bobbin
- 53 the yarn
- 54 the ring fitted in the ring rail
- 55 the traveller (*Am.* traveler)
- 56 the yarn wound on the bobbin;
- 57 the doubling frame:**
- 58 the creel with a set of cross-wound cheeses
- 59 the delivery rollers
- 60 the bobbins of doubled yarn



1-65 preparatory weaving

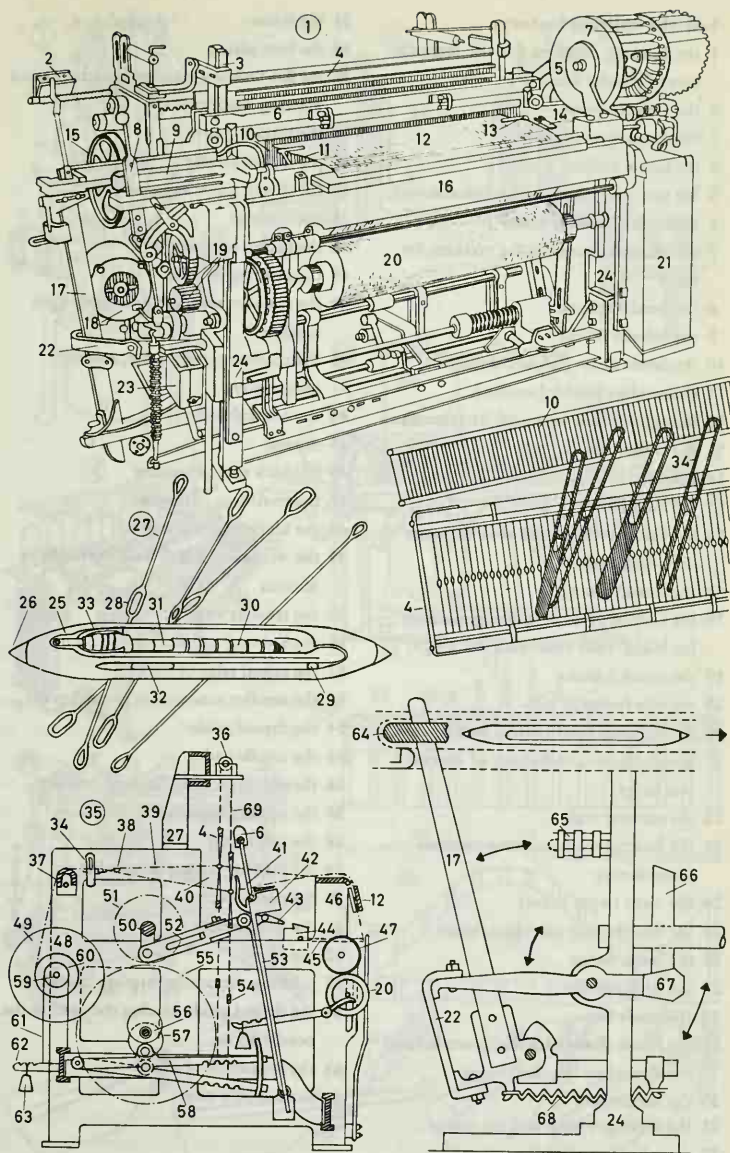
machinery,

- 1 the cone-winding frame:
- 2 the travelling (*Am.* traveling) blower
- 3 the guide rail for the travelling (*Am.* traveling) blower
- 4 the blowing assembly
- 5 the blower aperture
- 6 the superstructure for the blower rail
- 7 the full-cone indicator
- 8 the cross-wound cone
- 9 the cone-holders
- 10 the grooved drum (split guiding drum)
- 11 the zigzag slot for crossing the threads
- 12 the headstock with motor
- 13 the tension and slub-catching device
- 14 the off-end framing with filter
- 15 the supply package, a ring tube or mule cop
- 16 the supply package container
- 17 the starting and stopping lever
- 18 the guide to facilitate threading
- 19 the automatic stop motion for stopping the machine if the thread breaks
- 20 the thread-clearer
- 21 the disk (disc) weighting for thread-tensioning;
- 22 the warping machine (beaming machine):
- 23 the fans
- 24 the cone in creel
- 25 the magazine creel
- 26 the adjustable comb
- 27 the frame side
- 28 the length-recorder
- 29 the warp beam
- 30 the beam flange
- 31 the guard rail
- 32 the driving drum
- 33 the belt drive
- 34 the motor
- 35 the release for starting the driving drum
- 36 the screw for adjusting the comb setting
- 37 the drop pins for stopping the machine when a thread breaks
- 38 the guide bar
- 39 the drop pin rollers;
- 40 the sizing machine (taping machine) for smoothing and strengthening the yarn:
- 41 the warp beam from the warping machine
- 42 the immersion roller
- 43 the squeeze rollers
- 44 the size
- 45 the size box
- 46 the yarn
- 47 the guide rollers
- 48 the drying cylinder
- 49 the fans for circulating hot air
- 50 the inspection panel
- 51 the hot-air control valve
- 52 the steam coils
- 53 the guide rollers
- 54 the spit rod
- 55 the sheet of yarn
- 56 the expanding comb
- 57 the weaver's beam with sized yarn
- 58 the beam bearing rollers
- 59 the drums controlling speed and elimination of differences in thread tension
- 60 the tension control
- 61 the belt drive
- 62 the belt pulley
- 63 the air duct
- 64 the drying chamber
- 65 the starting and stopping handle



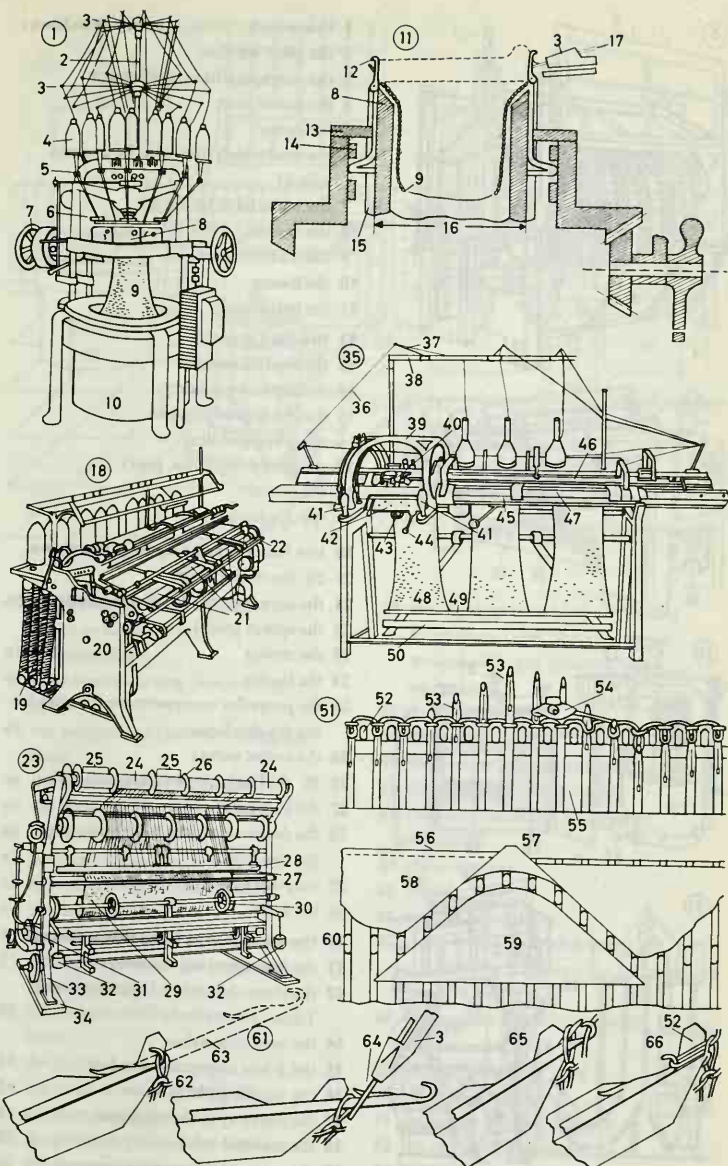
159 The Weaving Shed (Weaving Mill, Textile Mill) II

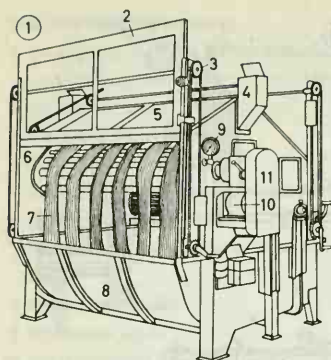
- 1 the automatic loom:
- 2 the pick-counter (revolution-counter,
Am. reading tachometer)
- 3 the guides for the shafts
- 4 the shafts (heald shafts)
- 5 the rotary battery (rotary magazine)
for weft pirns
- 6 the slay cap (sley cap)
- 7 the weft pirn (weft bobbin)
- 8 the starting and stopping handle
- 9 the shuttle box with shuttles
- 10 the reed
- 11 the selvedge (list)
- 12 the cloth (woven fabric)
- 13 the cloth temple
- 14 the electric weft feeler
- 15 the flywheel
- 16 the breast-beam board
- 17 the picking stick
- 18 the electric motor
- 19 the cloth take-up motion
- 20 the cloth roller
- 21 the can for empty pirns
- 22 the lug strap for operating the picking
stick
- 23 the fuse box
- 24 the loom framing;
- 25 the shuttle
- 26 the shuttle tip
- 27 the heald (wire heald):
- 28 the heald eye
- 29 the shuttle eye
- 30 the pirn (weft bobbin)
- 31 the metal contact sleeve for the weft
feeler
- 32 the slot for the weft feeler
- 33 the spring-clip pirn-holder
- 34 the drop wire;
- 35 the loom [side elevation]:
- 36 the top rollers
- 37 the back rest
- 38 the lease rods
- 39 the warp (warp thread)
- 40 the shed
- 41 the slay (sley)
- 42 the race board
- 43 the stop rod blade of the warp pro-
tector motion
- 44 the frog (bumper steel)
- 45 the frog (bumper steel) spindle
- 46 the breast beam
- 47 the cloth take-up roller
- 48 the warp beam
- 49 the beam flange
- 50 the crank shaft
- 51 the crank shaft wheel
- 52 the crank-connecting arm
- 53 the slay (sley) sword
- 54 the lam rods
- 55 the cam (bottom) shaft wheel
- 56 the cam (tappet) shaft
- 57 the tappets (shedding tappets)
- 58 the treadle lever
- 59 the warp let-off motion
- 60 the beam ruffle
- 61 the rope of warp let-off motion
- 62 the weight lever
- 63 the weight
- 64 the picker with leather, or bakelite,
pad
- 65 the picking stick buffer
- 66 the picking cam
- 67 the picking bowl
- 68 the picking stick return spring



1-66 the knitting factory,

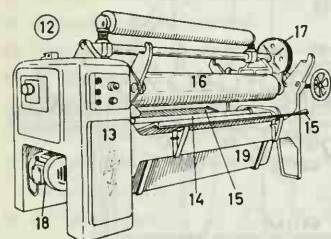
- 1 the knitting machine for the manufacture of tubular fabric:
- 2 the support pillar
- 3 the thread (yarn) guide
- 4 the bottle bobbin
- 5 the yarn-tensioner (yarn tension device)
- 6 the feeder (feeding plate)
- 7 the wheel for rotating the machine by hand
- 8 the needle cylinder
- 9 the tubular fabric
- 10 the fabric drum (fabric container);
- 11 the needle cylinder [section];
- 12 the cylindrically arranged latch needles
- 13 the cam boxes
- 14 the cams
- 15 the needle tricks
- 16 the cylinder diameter; *also* : diameter of the tubular fabric
- 17 the thread (yarn);
- 18 the Cotton's Patent knitting machine for ladies' fully-fashioned stockings:
- 19 the control chain
- 20 the side frame
- 21 the knitting head; *several knitting heads* : simultaneous production of several stockings
- 22 the starting rod;
- 23 the Raschel warp-knitting machine (double rib):
- 24 the warp (warp beam)
- 25 the distributing (dividing) beam
- 26 the beam flange
- 27 the latch needles
- 28 the guide bar
- 29 the fabric (Raschel fabric) [curtains and net cloths] on the cloth beam
- 30 the handwheel
- 31 the driving wheels and the motor
- 32 the take-down weight
- 33 the frame
- 34 the base plate;
- 35 the flat-knitting machine (hand operated knitting machine):
- 36 the thread (yarn)
- 37 the thread guide
- 38 the thread guide support
- 39 the carriage
- 40 the feeder selecting bolt
- 41 the pushing handles
- 42 the scale for regulating the size of the stitches
- 43 the course-counter (*Am.* reading tachometer)
- 44 the control lever
- 45 the rail
- 46 the back row of needles
- 47 the front row of needles
- 48 the knitted fabric (fabric)
- 49 the weighting bar to hold the fabric in tension
- 50 the tension weight;
- 51 the knitting action:
- 52 the raised edge of tricks
- 53 the needles arranged in parallel order
- 54 the thread guide
- 55 the needle bed
- 56 the plate retaining the latch needles
- 57 the upper guard cam
- 58 the stitch cam
- 59 the cam for raising the needles
- 60 the needle butt;
- 61 the latch needle:
- 62 the fabric
- 63 pushing the needle through the fabric
- 64 the thread guide placing the yarn in the needle hook
- 65 the formation of a loop
- 66 casting off a loop





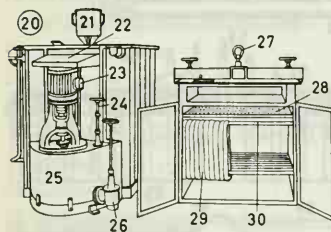
1 the winch (wince) dyeing machine:

- 2 the glass window
- 3 the window-lifting mechanism
- 4 the steam vent
- 5 the cover
- 6 the oval winch [may also be a round winch]
- 7 the material to be dyed
- 8 the dye vat
- 9 the thermometer
- 10 the motor
- 11 the belt guard;



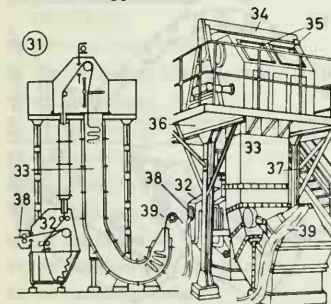
12 the jig (jigger):

- 13 the control panel
- 14 the expander roller
- 15 the dye liquor drip-pan
- 16 the take-up roller
- 17 the gear wheel (*Am. gear*)
- 18 the motor
- 19 the dye beck;



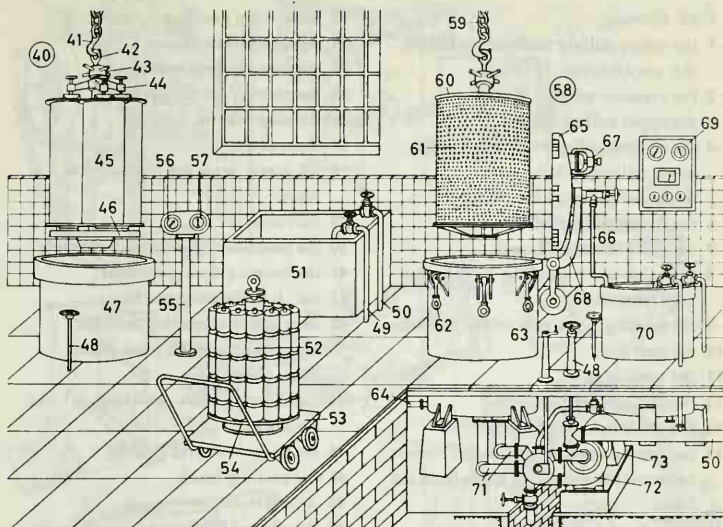
20 the hank (skein) dyeing machine,

- 21-26 the dyeing unit:
- 21 the container for stock dye solution
- 22 the splash guard
- 23 the motor
- 24 the starter
- 25 the propeller compartment for circulating the dye liquor
- 26 the outlet valve;
- 27-30 the hank-carrier (skein-carrier):
- 27 the suspension ring
- 28 the perforated plate for distributing the dye liquor
- 29 the hanks (skeins)
- 30 the rods;



31 the continuous bleaching plant:

- 32 the impregnating chamber
- 33 the steam-heated and heat-insulated J-box (J-box)
- 34 the ventilation duct
- 35 the J-box inspection window
- 36 the working platform
- 37 the stairway to the platform
- 38 the material intake
- 39 the material delivery;



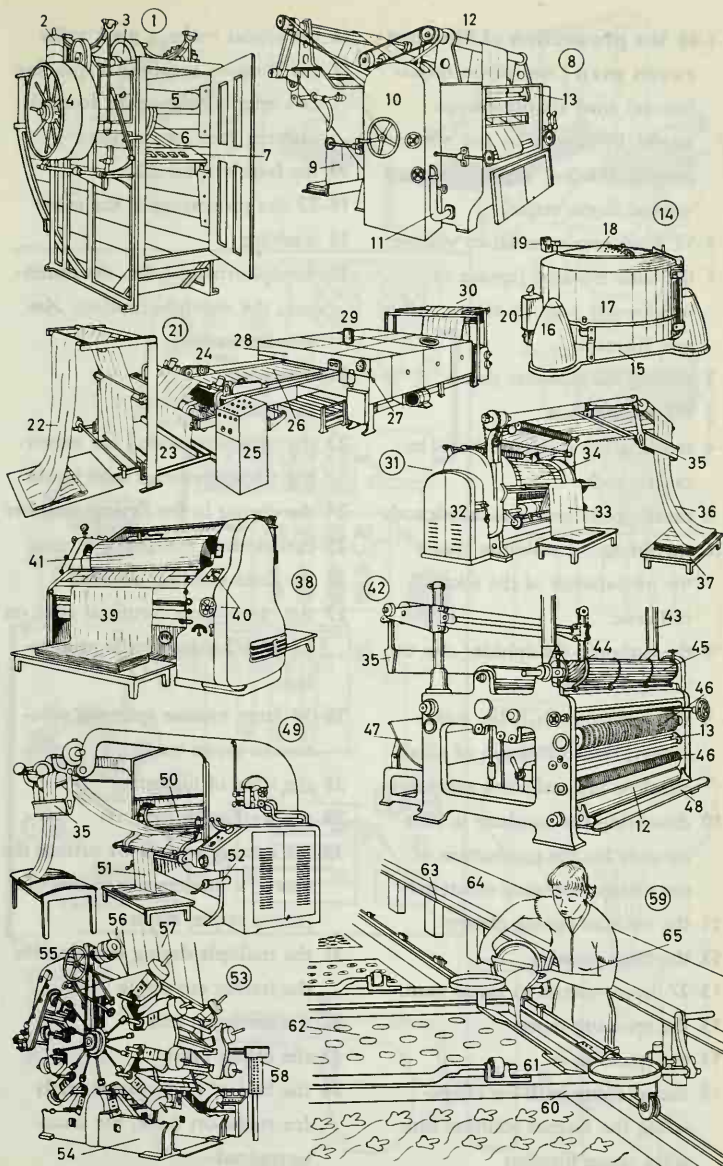
40 the beam bleaching plant for sliver or for warp yarn:

- 41 the crane hook
- 42 the suspension ring (suspension eye)
- 43 the capstan to tighten the clamping arms
- 44 the screw caps for the beams
- 45 the warp beams
- 46 the warp-beam carrier
- 47 the outer container (bleach vat)
- 48 the valve from the supply tank
- 49 the hard-water pipe
- 50 the soft-water pipe
- 51 the supply tank for the preparing bleaching liquor
- 52 the cross-wound cheeses or cones
- 53 the truck
- 54 the cross-wound cheese frame
- 55 the instrument stand
- 56 the pressure gauge (*Am. gage*)
- 57 the thermometer;

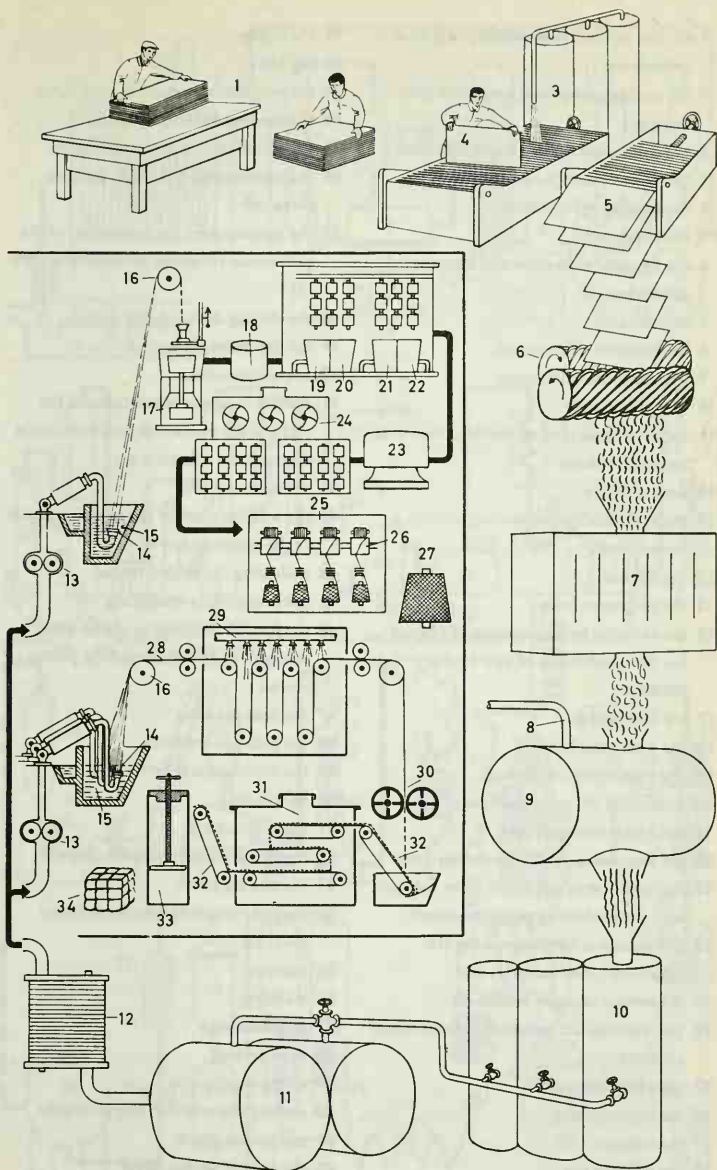
58 the dyeing machine for dyeing loose fibres (*Am. fibers*) or cross-wound packages (cheeses, cones, and cakes):

- 59 the crane chain
- 60 the insert
- 61 the perforated cage or basket
- 62 the clamps securing the lid
- 63 the outer container (dye liquor container)
- 64 the steam pipe
- 65 the lid
- 66 the dye liquor pipe
- 67 the aperture for withdrawing the samples (for withdrawing the sampling pot)
- 68 the support and counterweight for the lid
- 69 the control panel
- 70 the dye mixing tank
- 71 the liquor circulation pipes
- 72 the centrifugal pump
- 73 the pump motor

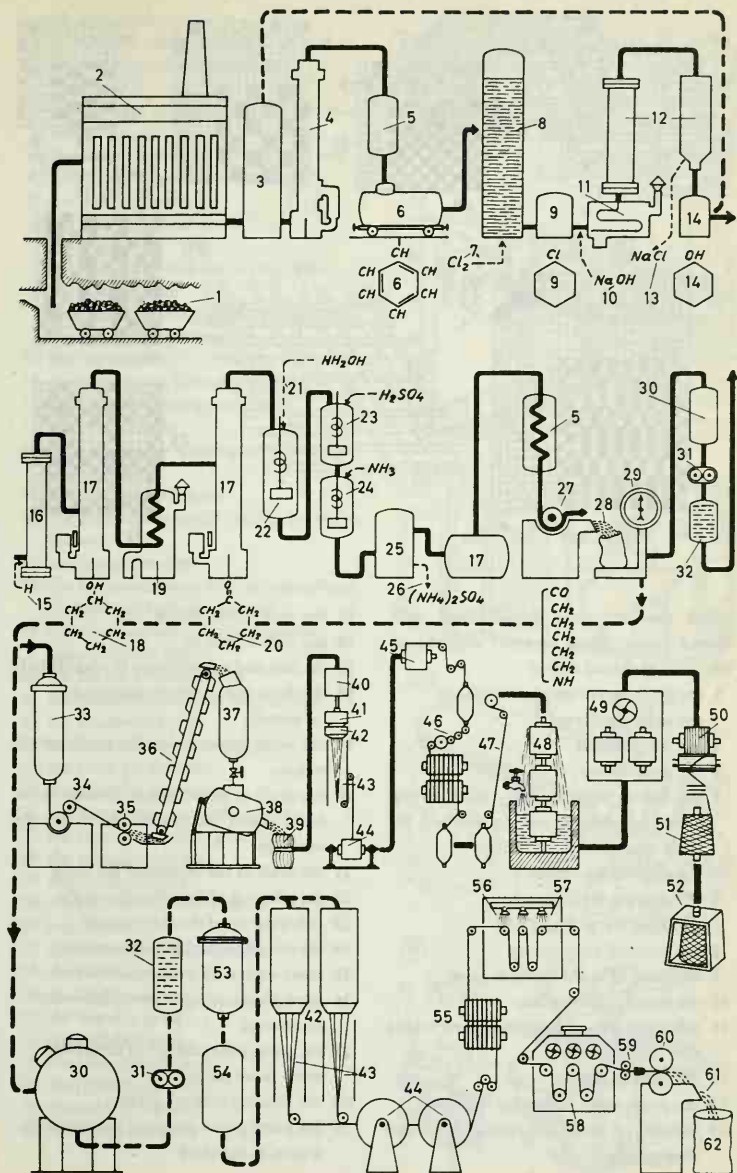
- 1-65 finishing,
- 1 the rotary milling machine for felting the wool fabric:
- 2 the pressure weight
- 3 the upper milling roller
- 4 the driving pulley on the shaft of the lower milling roller
- 5 the breast roller (guide roller)
- 6 the lower milling roller
- 7 the draft (draught) board;
- 8 the open-width scouring machine for finer fabrics:
- 9 the fabric being drawn off the machine
- 10 the gear box
- 11 the water pipe
- 12 the drawer roller
- 13 the scroll rod (scroll opener);
- 14 the pendulum-type centrifugal hydro-extractor for extracting water from the fabric:
- 15 the base of the machine
- 16 the case over the suspension
- 17 the outer casing, the rotating cage within
- 18 the extractor lid
- 19 the safety stop device
- 20 the starting device and the automatic brake;
- 21 the stenter (tenter):
- 22 the damp fabric
- 23 the operator's (operative's) platform
- 24 the guides feeding the fabric to the clips or pins [in case of pin stenter]
- 25 the electric control panels
- 26 the overfeed to allow shrinkage in warp direction during the drying process [pin stenter only]
- 27 the thermometer
- 28 the drying stove (drying chamber)
- 29 the air outlet
- 30 the plaiting device;
- 31 the wire raising machine for raising the surface of the fabric by means of rollers covered with card fillet which raise a nap on the cloth:
- 32 the driving gear box
- 33 the unraised cloth
- 34 the wire-covered rollers
- 35 the plaiting (cuttling) device
- 36 the raised fabric
- 37 the scray;
- 38 the rotary press for pressing the fabric:
- 39 the cloth
- 40 the push-button and wheel controls
- 41 the heated pressing cylinder;
- 42 the cloth-shearing machine:
- 43 the vacuum extracting duct for removing the waste loose fibres (*Am.* fibers)
- 44 the shearing blade (shearing cylinder)
- 45 the protective grid (guard)
- 46 the rotating brush
- 47 the curved scray
- 48 the control footboard;
- 49 the decatizing (blowing) machine for steaming to stabilize the finish:
- 50 the decatizing roller
- 51 the piece of cloth
- 52 the crank (crank handle, control handle);
- 53 the ten-colour (*Am.* ten-color) roller printing machine (cloth-printing machine):
- 54 the machine base frame
- 55 the motor
- 56 the felt, or rubber, blanket
- 57 the fabric after printing
- 58 the electric control panel;
- 59 the screen printing:
- 60 the screen on a carriage
- 61 the squeegee for spreading colour (*Am.* color) over the screen
- 62 the printing screen
- 63 the screen table
- 64 the fabric gummed down on the table and ready for printing
- 65 the cloth-printing operative

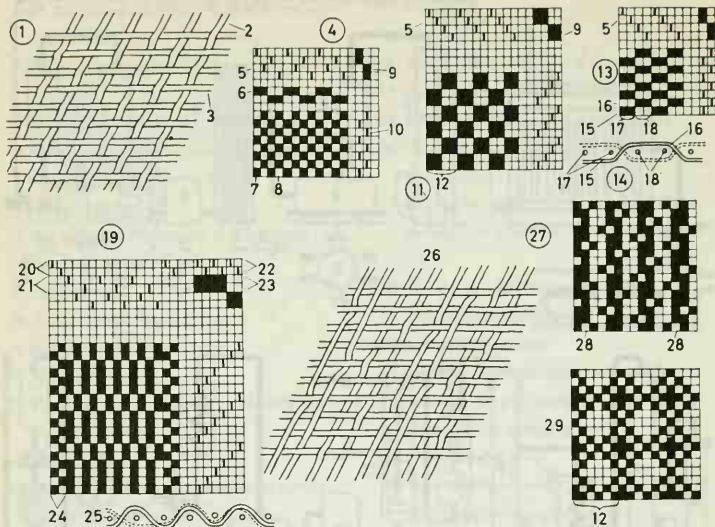


- 1-34 the production of filament rayon yarn** (*Am.* rayon manufacture) **and staple** (rayon staple) by means of the viscose process (viscose rayon yarn and viscose rayon staple),
- 1-12** from raw material to viscose:
- 1** the basic material [spruce or beechwood pulp in sheets, cellulose sheets]
 - 2** mixing the cellulose sheets
 - 3** the caustic soda
 - 4** steeping the cellulose sheets in caustic soda
 - 5** pressing out the excess caustic soda
 - 6** shredding the cellulose sheets
 - 7** the preparation of the alkali cellulose
 - 8** the carbonic disulphide (*Am.* carbonic disulfid)
 - 9** the sulphuration (*Am.* sulfuration; transformation of alkali cellulose into cellulose xanthate)
 - 10** dissolving the xanthate in caustic soda for the production of the viscose-spinning solution
 - 11** the vacuum ageing churns
 - 12** the filter presses;
 - 13-27** from viscose to rayon yarn:
 - 13** the spinning pump
 - 14** the spinning jet
 - 15** the spinning bath for coagulating the viscose solution into solid rayon filament
 - 16** the Godet roller, a glass roller
 - 17** the Topham centrifugal spinning box winding the newly formed filament yarn into a cake
 - 18** the freshly spun cake
 - 19-27** the processing of the cake:
 - 19** washing
 - 20** desulphurizing (*Am.* desulfurizing; the desulphurization, *Am.* desulfurization)
 - 21** bleaching
 - 22** cake-finishing
 - 23** the hydro-extracting for removing the superfluous bath liquid
 - 24** the drying in the drying chamber
 - 25** the winding from cake to cone
 - 26** the cone-winding machine
 - 27** the rayon yarn (artificial silk) on cone for further textile processing;
 - 28-34** from viscose spinning solution to rayon staple:
 - 28** the tows of filament
 - 29** the washing plant
 - 30** the cutting wheels for cutting the tow to a predetermined length [rayon staple, staple]
 - 31** the multiple drying machine for the freshly cut staple
 - 32** the conveyor belt
 - 33** the baling press
 - 34** the bale of rayon staple ready for transport (*Am.* for transportation)



- 1-62 the perlon manufacture** (nylon-6 manufacture):
 - 1 the coal [raw material for perlon production]
 - 2 the coke plant for dry coal distillation
 - 3 the extraction of tar and phenols
 - 4 the gradual tar distillation
 - 5 the condenser
 - 6 the benzene extraction and benzene dispatch
 - 7 the chlorine
 - 8 the benzene chlorination
 - 9 the monochlorobenzene
 - 10 the caustic soda
 - 11 the evaporation of monochlorobenzene and caustic soda
 - 12 the autoclave
 - 13 the sodium chloride (common salt), a by-product
 - 14 the phenol
 - 15 the hydrogen inlet
 - 16 the catalytic hydrogenation of phenol for the production of raw cyclohexanol
 - 17 the distillation
 - 18 the pure cyclohexanol
 - 19 the oxydation (oxidation)
 - 20 formation of cyclohexanone
 - 21 the hydroxylamine inlet
 - 22 the formation of cyclohexanonoxime
 - 23 the addition of sulphuric (*Am.* sulfuric) acid for molecular re-arrangement
 - 24 the ammonia for neutralizing the sulphuric (*Am.* sulfuric) acid
 - 25 formation of capro lactam oil
 - 26 the ammonium sulphate (*Am.* sulfate) solution
 - 27 the cooling cylinder
 - 28 the capro lactam
 - 29 the balance
 - 30 the melting pot
 - 31 the pump
 - 32 the filter
 - 33 the polymerization in the autoclave
 - 34 the cooling of the polyamide
 - 35 the solidification of the polyamide
 - 36 the paternoster lift (*Am.* endless elevator)
 - 37 the extractor for the separation of the polyamide from the remaining lactam oil
 - 38 the drying device (*Am.* drier)
 - 39 the dry polyamide chips
 - 40 the chip container
 - 41 the smelting and spinning head for melting the polyamide and pressing it through the spinning jets
 - 42 the spinning jets
 - 43 the solidification of the perlon threads in the spinning tower
 - 44 collecting the perlon thread
 - 45 the preliminary stretching
 - 46 the further dressing to obtain great strength and flexibility of the perlon thread
 - 47 the final drawing
 - 48 the package-washing
 - 49 the drying chamber
 - 50 re-winding
 - 51 the perlon cone
 - 52 the perlon cone, ready for dispatch
 - 53 the mixing pot
 - 54 the polymerization under reduced pressure
 - 55 drawing
 - 56 washing
 - 57 tow-finishing
 - 58 tow-drying
 - 59 crimping the tow
 - 60 cutting the tow into staple lengths
 - 61 the perlon staple
 - 62 the bale of perlon staple

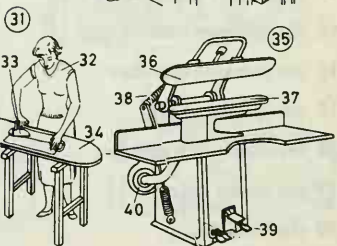
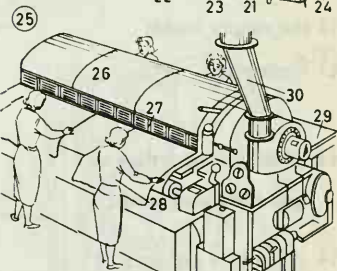
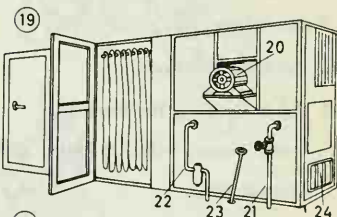
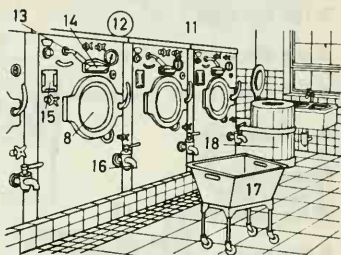
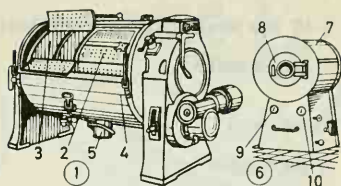




[black squares: warp thread lifted, weft thread down; white squares: weft thread lifted, warp thread down]

- 1 the plain weave interlacing [fabric shown from above];
- 2 the warp thread
- 3 the weft thread;
- 4 the point paper design (draft, lifting plan and denting for the weaver) for plain weave:
- 5 the draft in the shafts
- 6 the denting arrangement
- 7 the lifted warp thread
- 8 the lowered warp thread
- 9 the tying of heald shafts in pairs
- 10 the treadle-lifting plan;
- 11 the point paper design for matt weave (for basket weave):
- 12 the pattern repeat;
- 13 the point paper design for weft rib,
- 14 section of weft rib fabric, a section through the warp:
- 15 the weft thread down
- 16 the weft thread up
- 17 the first and second warp threads [lifted]
- 18 the third and fourth warp threads [lowered];
- 19 the point paper design for modified rib weave:
- 20 the draft of the selvedge threads in the heald shafts (additional shafts for the selvedge)
- 21 the draft of the threads of the cloth
- 22 the tying up of the selvedge shafts
- 23 the tying up of the cloth shafts
- 24 the selvedge (list) in plain weave
- 25 cross section of modified rib weave;
- 26 thread interlacing of reversible warp-faced cord
- 27 the point paper design of reversible warp-faced cord:
- 28 the binding locking places;
- 29 the point paper design of honeycomb weave in the cloth

- 1-40 the laundry,
- 1 the steam washing-machine:
- 2 the rotating washing drum or cylinder
- 3 the segment compartments of the inner drum
- 4 the alkali (detergent, wash water) and rinsing water casing (outer drum)
- 5 the dirty-water outlet;
- 6 the tumbler, a laundry-drying machine:
- 7 the outer case with the drying drum
- 8 the loading door
- 9 the remote reading (distance) thermometer (telethermometer)
- 10 the hygrometer;
- 11 the wash room (laundry room),
- 12 the cabinet washing-machine:
- 13 the control lever
- 14 the opening for washing materials (for detergents)
- 15 the laundry-list holder
- 16 the dirty-water outlet cock (*Am.* outlet faucet);
- 17 the laundry trolley
- 18 the hydro-extractor laundry centrifuge (centrifugal hydroextractor)
- 19 the one-chamber laundry-dryer or drier (cabinet drier):
- 20 the fan for air circulation
- 21 the superheated-steam supply pipe
- 22 the condensate pipe
- 23 the fresh and used-air regulator
- 24 the fresh-air shutter;
- 25 the calender (ifoner):
- 26 the heated calender roll
- 27 the protective grille (guard)
- 28 the calender operator
- 29 the ironing-board
- 30 the air outlet pipe or duct;
- 31 hand ironing:
- 32 the ironer (ironing woman)
- 33 the electric iron
- 34 the ironing-board;
- 35 the laundry press:
- 36 the polished head
- 37 the felt-covered buck
- 38 the tightening spring
- 39 the control treadle
- 40 the steam extractor



**1-10 the production of chemical
wood pulp:**

- 1 the chips
- 2 the digester
- 3 the blow pit
- 4 the stock suspensions
- 5 and 6 the stock preparation:
- 5 the separator
- 6 the thickener;
- 7 the potcher
- 8 the pulper
- 9 the refiner
- 10 the conical refiner;
- 11 the kollergang for fiberising
waste paper, sulphate pulp, and
knotter pulp:
- 12 the runner stones
- 13 the trough;

**14-20 the production of
groundwood pulp,**

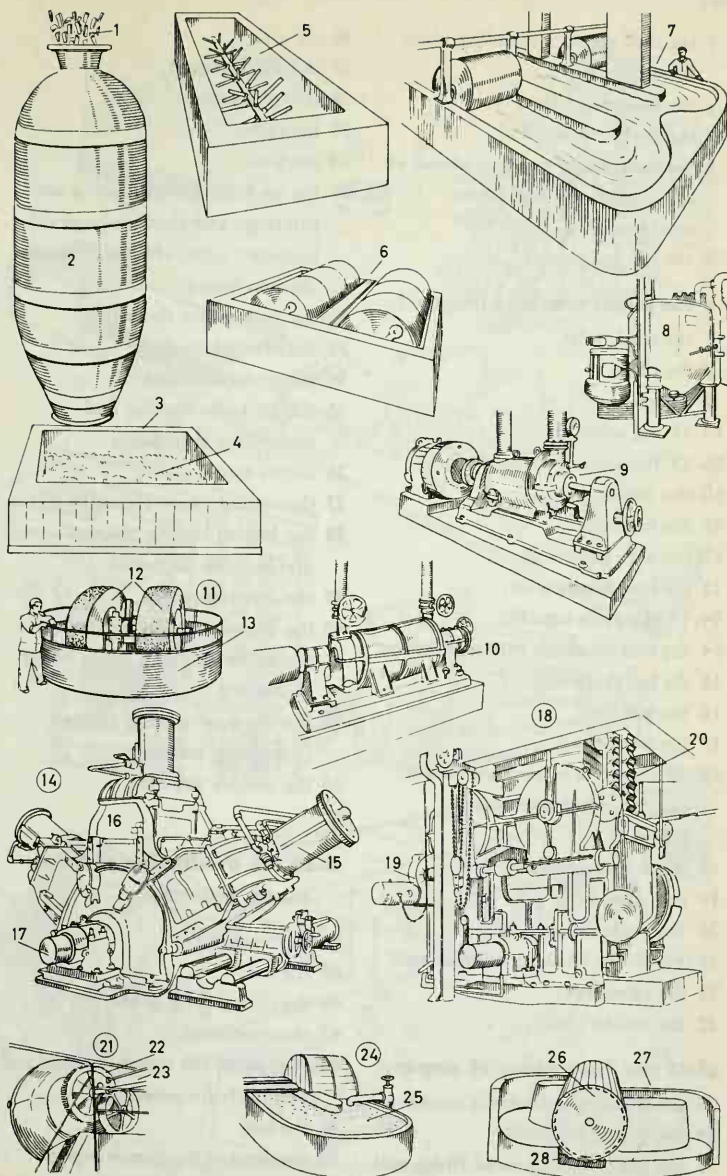
- 14 the pocket grinder:
- 15 the pressure foot
- 16 the pressure chamber
- 17 the grinder shaft;
- 18 the caterpillar grinder:
- 19 the worm gear
- 20 the feed chain;

- 21 the rag boiler (rotary digester)
for preparation of rag halfstuff:

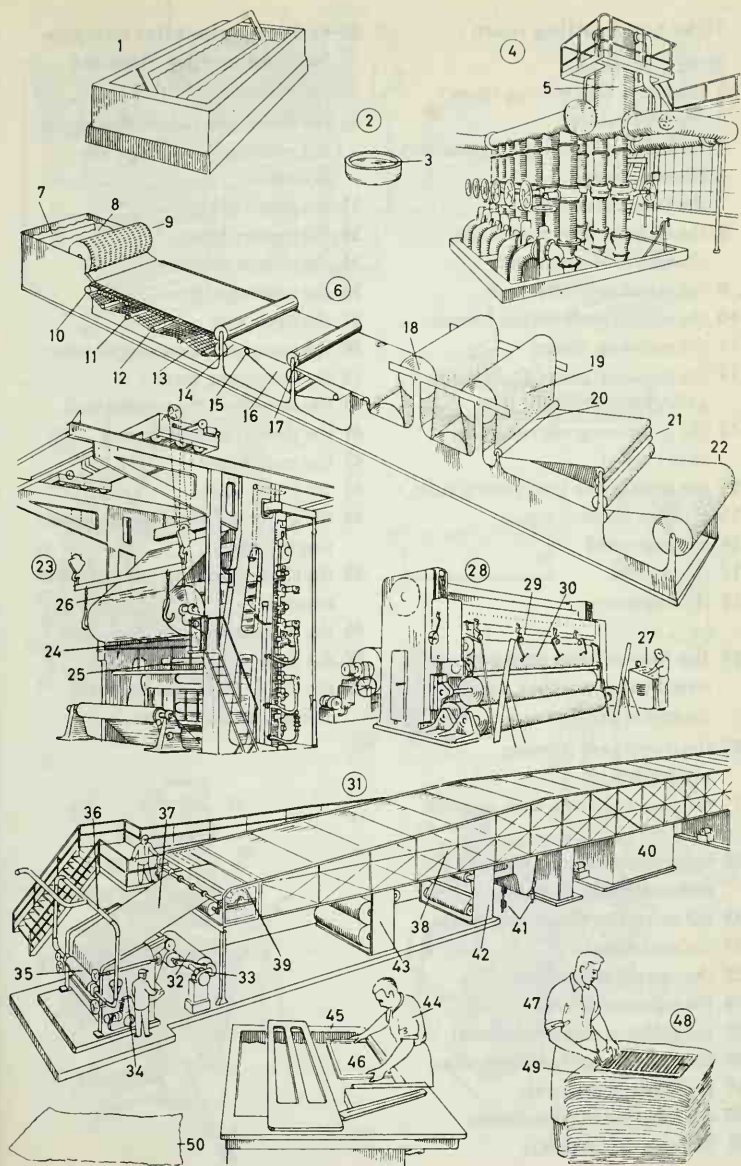
- 22 the drive
- 23 the steam inlet;

**24-27 the paperstock
preparation,**

- 24 the hollander (beater):
- 25 the raw materials, halfstuff and
additives;
- 26 the beater roll
- 27 the hollander [section]
- 28 the bed plate



- 1 the stuff chest, a blending chest for stock
- 2 the laboratory dish;
- 3 the prepared stock;
- 4 the centrifugal cleaners ahead of stock inlet of a big paper-machine;
- 5 the vertical pipe;
- 6 the paper machine** [diagram]:
 - 7 the stock inlet
 - 8 the riffler
 - 9 the knotter
 - 10-17 the wet end,
 - 10-13 the fourdrinier section:
 - 10 the breast roll
 - 11 the table roll
 - 12 the wire guide roll
 - 13 the fourdrinier wire;
 - 14-17 the press section:
 - 14 the suction couch with suction box
 - 15 the felt guide-roll
 - 16 the wet felt
 - 17 the wet press;
 - 18-20 the dryer section with dryer felt, felt dryer and cooling cylinder:
 - 18 the drying cylinder
 - 19 the paper web
 - 20 the guide roll for paper;
 - 21 and 22 the finishing equipment:
 - 21 the calender
 - 22 the winder (reel);
 - 23-43 the converting of paper,**
 - 23 the finishing calender, a calender:
 - 24 the chilled iron roll
 - 25 the paper (compressed fibre) roll
 - 26 the web
 - 27 the switchboard;
 - 28 the reel cutter:
 - 29 the cutter
 - 30 the web;
 - 31 the air-knife for producing art-printing- and chromo-papers, coloured (*Am.* colored) papers, chromo-board:
 - 32 the base paper (board)
 - 33 the pivoted unwind
 - 34 the air-knife coater
 - 35 the air-knife coating and smoothing equipment
 - 36 the air supply
 - 37 the coated paper (board)
 - 38 the hot-air drying channel divided into sections
 - 39 the chain conveyor
 - 40 the hot-air blower chamber
 - 41 the automatic web guide using photocells
 - 42 the draw or tension control (stretching section)
 - 43 the double rewind;
 - 44-50 the production of hand-made paper:**
 - 44 the vatman
 - 45 the vat
 - 46 the mould (*Am.* mold)
 - 47 the couchman
 - 48 the pile of 180 sheets of paper and felt, ready for pressing:
 - 49 the felt
 - 50 the sheet of handmade paper



1 the hand-setting room :

- 2 the case stand
- 3 the frame (composing frame)
- 4 the case cabinet
- 5 the hand compositor (type-setter)
- 6 the manuscript
- 7 the letters (stamps)
- 8 the rack for furniture (leads, clumps, filling material)
- 9 the standing-matter rack
- 10 the sliding shelf for the formes
- 11 the standing matter
- 12 the make-up galley (galley, slip galley)
- 13 the composing stick (setting stick)
- 14 the setting rule (composing rule)
- 15 the type (lines of type)
- 16 the page cord
- 17 the bodkin
- 18 the tweezers ;

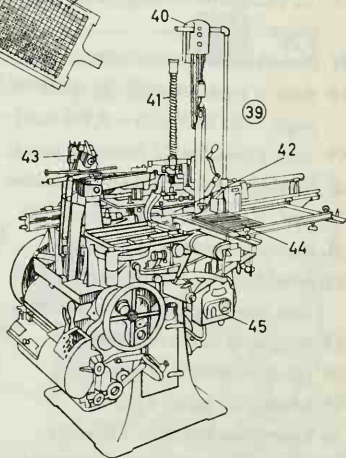
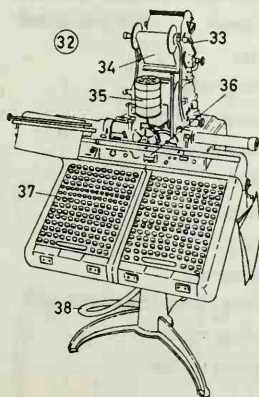
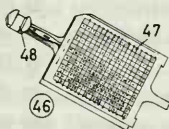
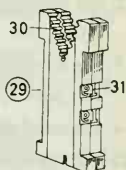
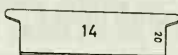
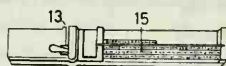
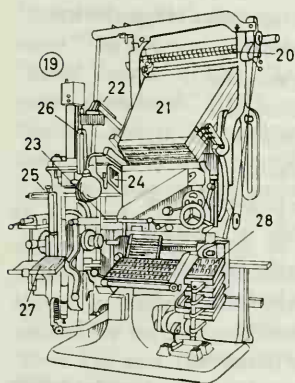
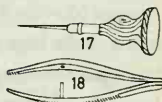
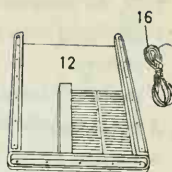
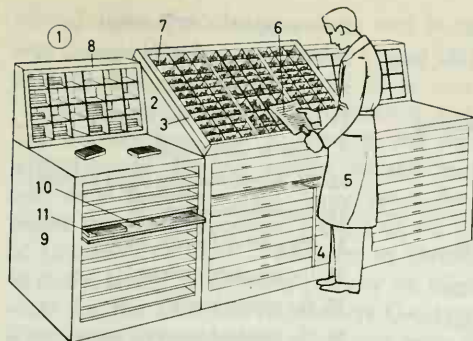
19 the line-setting composing machine (linotype), a multi-magazine machine :

- 20 the distributor (dissing mechanism)
- 21 the type magazine with matrices (matrixes)
- 22 the elevator for transporting the matrices to the distributor
- 23 the assembler (assembler box)
- 24 the spaceband
- 25 the casting mechanism
- 26 the type-metal feed
- 27 the galley of slugs (cast lines)
- 28 the matrices for hand insertion ;
- 29 the linotype matrices :
- 30 the teeth for the distributor
- 31 the type die (matrix) ;

32-45 the single-letter composing and casting machine

(monotype),

- 32 the monotype standard composing machine (monotype keyboard) :
- 33 the paper tower
- 34 the paper ribbon
- 35 the ribbon cylinder
- 36 the unit register
- 37 the keyboard
- 38 the compressed-air supply tube ;
- 39 the monotype caster :
- 40 the automatic type-metal feed
- 41 the pump pressure spring
- 42 the matrix case
- 43 the paper tower
- 44 the galley with cast letters (cast single letters)
- 45 the electric heating indicator and control ;
- 46 the matrix case :
- 47 the letter matrices
- 48 the slot for insertion into the compound slide frame



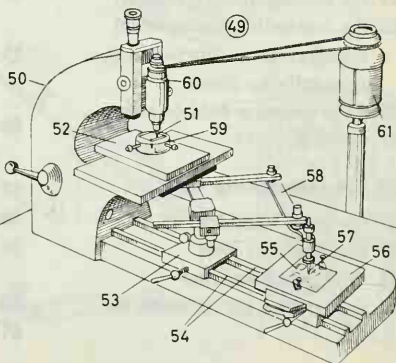
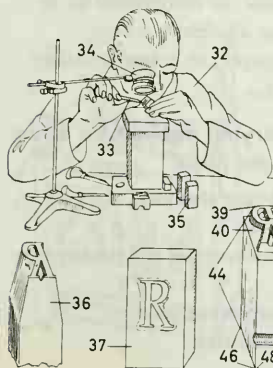
170 The Composing Department (Case Room) II

- 1-17 the composition (type):
 - 1 the initial letter (capital letter, cap, cipher)
 - 2 the heavy-faced letters (bold)
 - 3 the semi-bold letters
 - 4 the line
 - 5 the interlinear space
 - 6 the ligature (double letter)
 - 7 the italics (italic letters)
 - 8 the light-faced letters
 - 9 the heavy-faced letters
 - 10 the bold condensed letters (bold condensed)
 - 11 the roman capital letter (cap, majuscule, upper-case letter)
 - 12 the roman small letter (minuscule, lower-case letter)
 - 13 the letter-spaced letters (spaced-out letters)
 - 14 the small capitals
 - 15 the space between two paragraphs
 - 16 the paragraph-indentation (indentation)
 - 17 the space between words;
 - 18 sizes of types [one typographic point = .013837 inch = 0,376 mm]:
 - 19 'non-plus-ultra' (2 points, 2 point)
 - 20 brilliant (approx. 3½ points; *seldom used*: excelsior, approx. 3 points)
 - 21 diamond (approx. 4½ points)
 - 22 pearl (approx. 5 points; ruby, *Am.* agate, approx. 5 1/2 points)
 - 23 nonpareil (approx. 6 points)
 - 24 minion (approx. 7 points)
 - 25 brevier (approx. 8 points)
 - 26 bourgeois (approx. 9 points)
 - 27 long primer (approx. 10 points)
 - 28 pica (approx. 12 points)
 - 29 English (approx. 14 points)
 - 30 Columbian (approx. 16 points)
 - 31 paragon (two line long primer, approx. 20 points);
 - 32-37 type-founding (type-casting):
 - 32 the punch-cutter
 - 33 the graver (cutter, burin)
 - 34 the magnifying lens
 - 35 the punch blank;
 - 36 the finished punch
 - 37 the stamped matrix (strike);
 - 38 the type (piece of type, letter):
 - 39 the head
 - 40 the shoulder
 - 41 the counter
 - 42 the face
 - 43 the bevel
 - 44 the height-to-paper
[*Engl. & Am.* 0,918 inch]
 - 45 the shoulder height
 - 46 the body (size of type)
 - 47 the nick
 - 48 the thickness;
 - 49 the matrix-cutter, a special drilling
 - 50 the column [machine:
 - 51 the cutter
 - 52 the cutting table
 - 53 the pantograph-carrier
 - 54 the prismatic guides
 - 55 the pattern
 - 56 the pattern table
 - 57 the follower
 - 58 the pantograph
 - 59 the matrix clamp (matrix chuck)
 - 60 the cutting spindle
 - 61 the driving motor

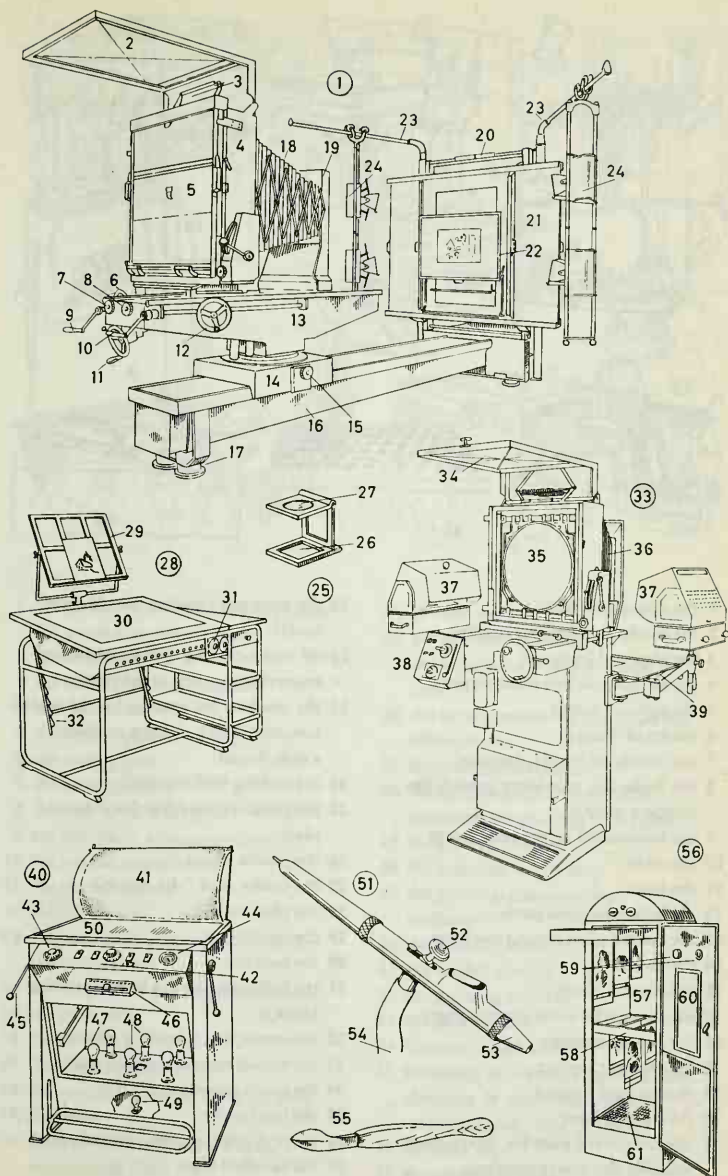
1 Alfred ³John ⁹Dodsley², essayist and journalist⁴ was born in Wenlock on the 5th August 1841 and died on the 4th October 1920 in Birmingham. His father was a journeyman thatcher and as a⁵ boy Dodsley was sent to work in the fields as a bird-scarer. Having taught himself to read and write fluently — for many years the only⁶ books he possessed were a Bible and a volume of Tillotson's sermons — he went to Shrewsbury to study. Living in extreme poverty he began to write for the EAST HEREFORDSHIRE GAZETTE and a collection of his essays together with some poems¹⁴ on country life was published in 1868 under the title "Rural Thoughts". Among his most popular works were "The Diary of a Derbyshire Shepherd" (1872),⁷ "Rural Verses" (1879), "Leaves from a Country-man's Notebook" (1893) and "Memoirs of Nineteenth Century Shropshire", published posthumously. Dodsley also contributed many articles on country life to London papers and championed¹³ the cause of the agricultural worker during the depression of the 1880's. The latter¹¹ years of his life were embittered by controversy¹² raised by his protests against the unemployment caused by mechanised farming.¹⁵

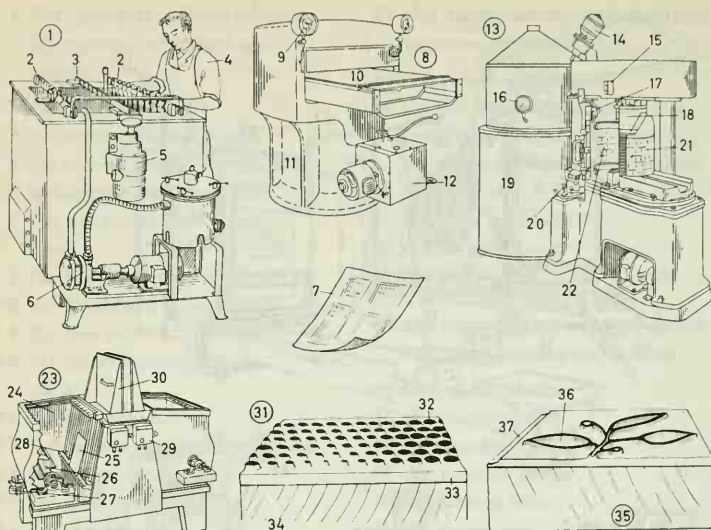
16— He was for many years president of the Society for the Protection of the Liberties of the Farm-worker.¹⁰

- 19
20 (18)
21 N n
22 N n
23 N n
24 N n
25 N n
26 N n
27 N n
28 N n
29 N n
30 N n
31 N n

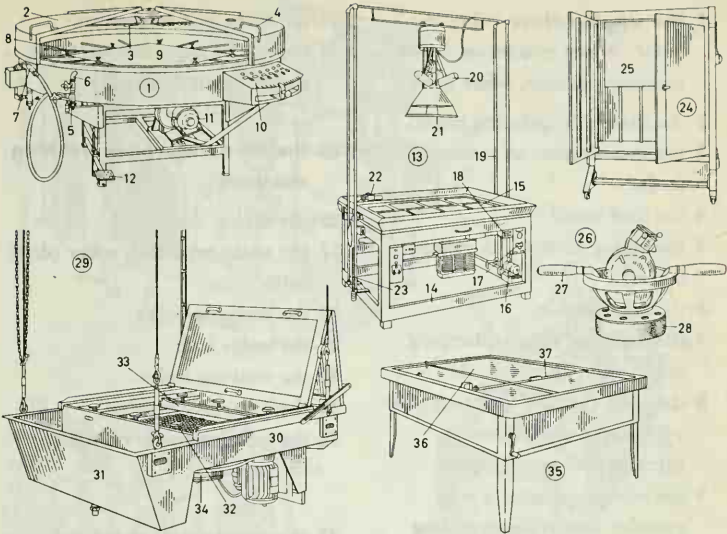


- 1 the process camera** (copying camera, reproducing camera):
- 2 the focusing screen
- 3 the screen counterweight
- 4 the camera frame
- 5 the shutter-type dark slide
- 6 the transverse movement knob
- 7 the vertical movement knob
- 8 the baseboard swivel catch
- 9 the lens front adjustment
- 10 the camera frame adjustment
- 11 the carriage drive
- 12 the camera precision drive
- 13 the camera baseboard
- 14 the camera carriage
- 15 the carriage catch
- 16 the steel support
- 17 the vibration absorber or damper
- 18 the bellows
- 19 the lens front
- 20 the copy-holder frame
- 21 the copy-board
- 22 the copy-holder
- 23 the pivoted lamp-arms
- 24 the photographic arc lamp;
- 25 the collapsible (collapsable) thread-counter (linen-tester), a magnifying glass:
- 26 the measuring field or area
- 27 the lens;
- 28 the retouching desk:**
- 29 the pattern-holder
- 30 the luminous plate
- 31 the control switches
- 32 the ratchets for inclining the top;
- 33 the super-automatic vertical process camera:**
- 34 the focusing screen
- 35 the circular screen, a cross-line (reticulated) screen for breaking up the tone values of the picture
- 36 the bellows
- 37 the twin arc lamps
- 38 the control panel
- 39 the copy-holder;
- 40 the high-speed contact printing** (contact copying) **frame:**
- 41 the rubber sheet
- 42 the control panel
- 43 the control clock
- 44 the vacuum gauge
- 45 the closing lever
- 46 the rheostat for control of light
- 47 the lamp for diffuse light
- 48 the red lamp
- 49 the spot light
- 50 the printing (copying) glass plate;
- 51 the spray gun** (air brush), a retouching tool:
- 52 the jet switch
- 53 the nozzle
- 54 the hose for compressed air or carbon dioxide;
- 55 the scraper, an eraser (erasing knife)
- 56 the drying cabinet** for drying films and plates:
- 57 the drying chamber
- 58 the rack
- 59 the thermometer and the hygrometer
- 60 the inspection window
- 61 the ventilator





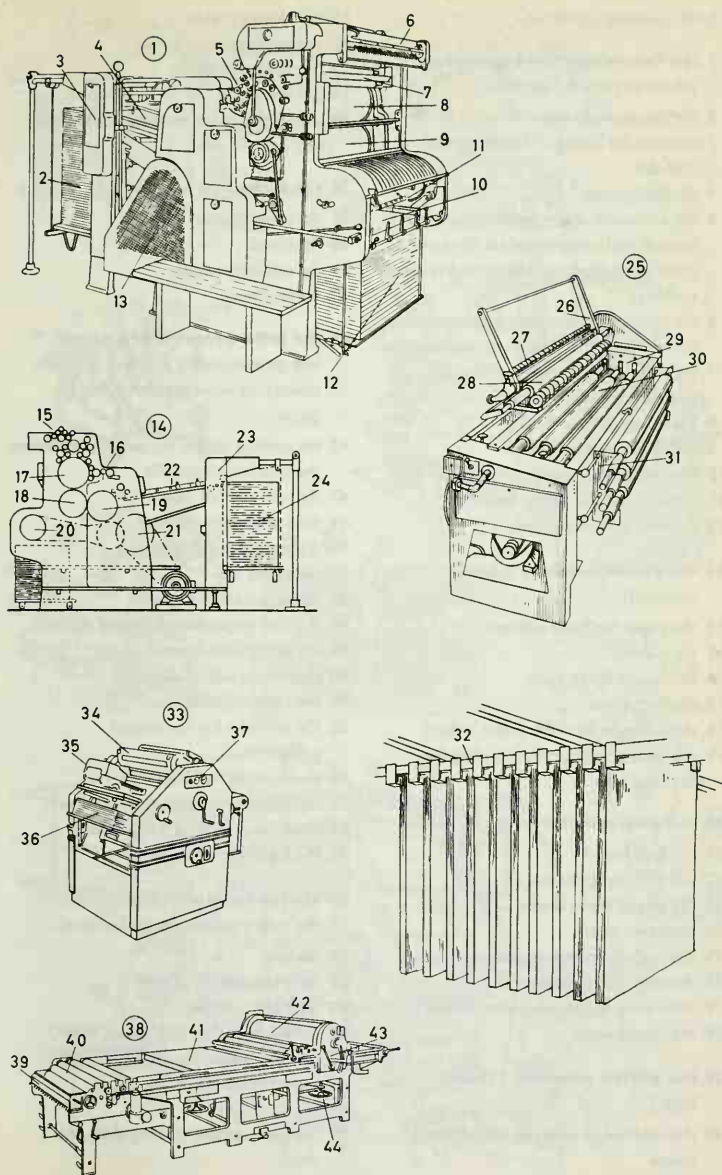
- 1 the electrolytic bath;
- 2 the anode rods (copper anodes)
- 3 the plate rod (cathode)
- 4 the stereotyper and electrotyper
- 5 the agitator motor
- 6 the set of filters;
- 7 the matrix or flong (*Am.* mat)
- 8 the hydraulic moulding press (*Am.* moulding press):
- 9 the manometer or pressure gauge
- 10 the table
- 11 the base
- 12 the hydraulic press pump;
- 13 the curved-plate casting machine:
- 14 the motor
- 15 the control knobs
- 16 the pyrometer (*Am.* thermo gage)
- 17 the casting aperture
- 18 the casting chamber
- 19 the smelting furnace
- 20 the starting lever
- 21 the cast curved plate for rotary-press printing (for rotary printing)
- 22 the stationary casting mould (*Am.* mould);
- 23-30 block-making (photomechanical engraving, process engraving),
- 23 the machine for etching blocks (galvanos, cuts; block-etching machine), a twin model:
- 24 the etching bath [section]
- 25 the photo-printed zinc (or copper) plate
- 26 the paddle wheel
- 27 the outlet cock (*Am.* faucet)
- 28 the plate rack
- 29 the switch box
- 30 the bath lid;
- 31 the half-tone block, a block (printing block):
- 32 the screen dot, a printing element
- 33 the etched zinc (or copper) plate
- 34 the block mounting;
- 35 the line block:
- 36 the non-printing, deep-etched parts
- 37 the bevelled edge



- 1 the plate-whirler (whirling apparatus) for coating the offset plates:
- 2 the sliding lid
- 3 the electric heating element
- 4 the thermometer
- 5 the water connection
- 6 the rinsing pipe
- 7 the hand shower
- 8 the rods to hold the plate
- 9 the zinc plate, a printing plate
- 10 the central control panel
- 11 the electric motor
- 12 the foot brake;
- 13 the pneumatic printing-down frame (vacuum frame):
- 14 the base of the printing-down frame
- 15 the glass pane
- 16 the vacuum pump
- 17 the control panel
- 18 the switch for lifting the glass pane
- 19 the frame
- 20 the spot-light printing arc lamp, a carbon-stick lamp

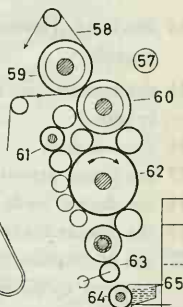
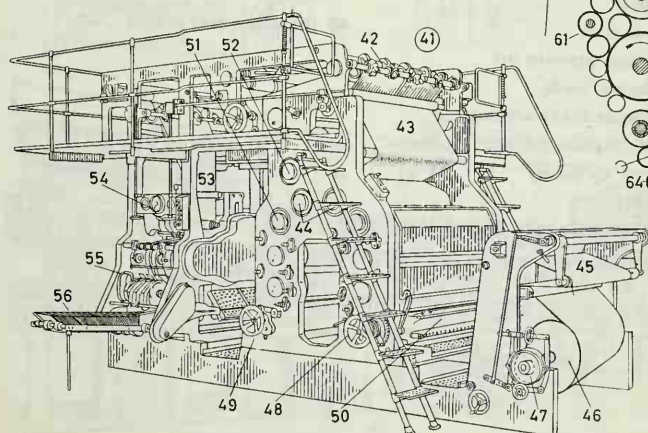
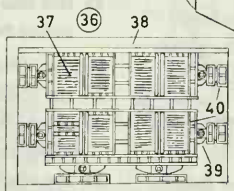
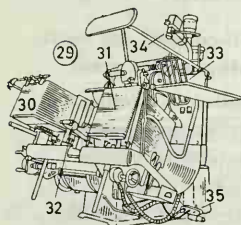
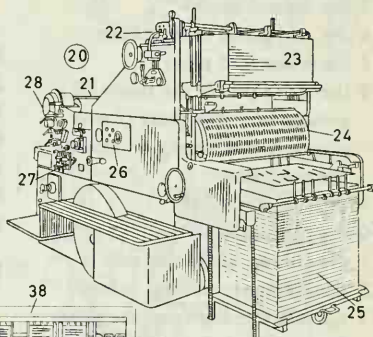
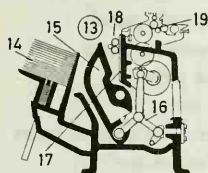
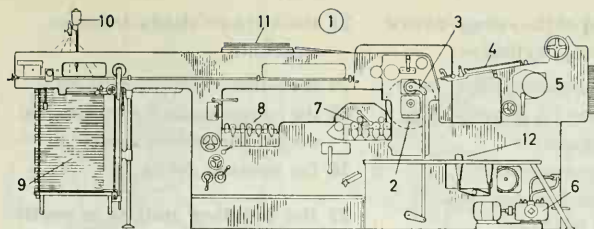
- 21 the ash-catcher
- 22 the exposure regulator
- 23 the spindle for lifting the glass pane
- 24 the drying cabinet or cupboard for offset plates:
- 25 the printed zinc plate;
- 26 the electrically driven portable apparatus for graining zinc plates:
- 27 the guiding handles
- 28 the graining disk or disc;
- 29 the printing-plate graining machine:
- 30 the graining table
- 31 the marble-catcher
- 32 the graining marbles
- 33 the plate clamps
- 34 the centrifugal drive;
- 35 the ruling up or checking table for checking or positioning printed matter on plate, film or paper:
- 36 the glass top
- 37 the adjustable rulers

- 1 **the single-colour** (*Am.* one-color) **offset machine** (offset printing machine, offset press):
 - 2 the sheet pile (printing paper)
 - 3 the sheet-feeder, an automatic feeder
 - 4 the feed board
 - 5 the inking rollers (ink rollers, inkers)
 - 6 the ink fountain
 - 7 the damping rollers (damping unit)
 - 8 the plate cylinder (printing-plate cylinder), a steel cylinder carrying the printing-plate
 - 9 the rubber cylinder, a steel cylinder with rubber printing blanket
 - 10 the delivery pile board for the printed sheets
 - 11 the gripper carriage, a chain gripper
 - 12 the pile of sheets [printed]
 - 13 the guard for the belt drive;
 - 14 the diagram of the single-colour (*Am.* one-color) offset machine:
 - 15 the ink fountain with the ink rollers
 - 16 the damping unit with the damping rollers
 - 17 the plate cylinder
 - 18 the rubber-blanket cylinder
 - 19 the impression cylinder
 - 20 the delivery cylinder with the gripper mechanism
 - 21 the driving wheel
 - 22 the sheet feed board
 - 23 the sheet feed mechanism
 - 24 the pile of unprinted (or blank) sheets (blanksheet pile);
- 25 **the damping-roller washing machine**:
 - 26 the drying device
 - 27 the water-extracting roller (drier roller)
 - 28 the damping roller
 - 29 the water bath
 - 30 the washing roller
 - 31 the roller-holder;
 - 32 the rack for conditioning the paper;
- 33 **the 'rotaprint' sheet-fed machine** (small offset sheet-fed press):
 - 34 the ink fountain (ink unit)
 - 35 the suction feed
 - 36 the pile feed
 - 37 the switchboard (control board) with counter, pressure gauge, air regulator, and sheet-feed control;
- 38 **the flat-bed offset machine** (flat-bed offset proofing press):
 - 39 the ink fountain (ink unit)
 - 40 the ink rollers
 - 41 the forme bed
 - 42 the cylinder with rubber printing blanket
 - 43 the start-stop levers
 - 44 the pressure adjusting wheel

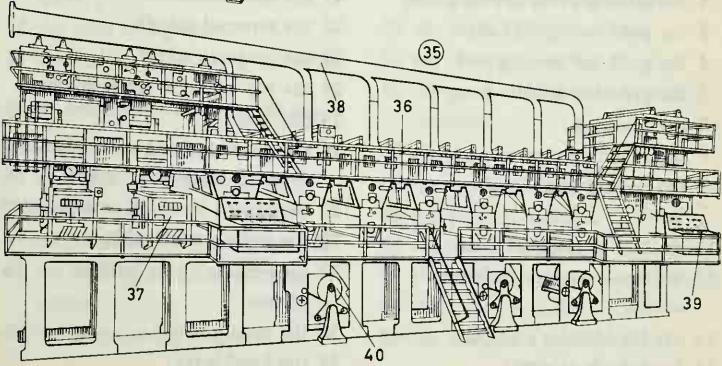
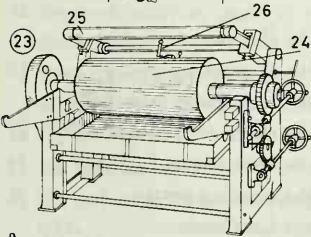
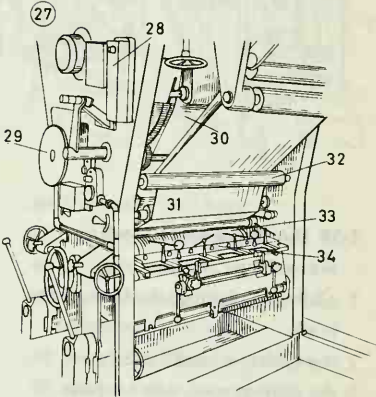
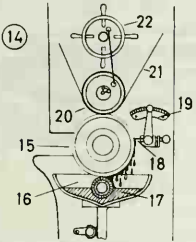
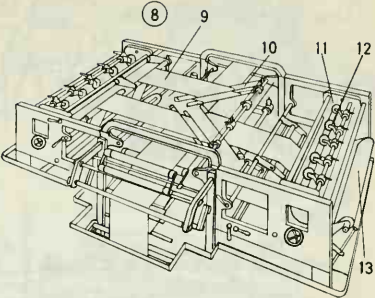
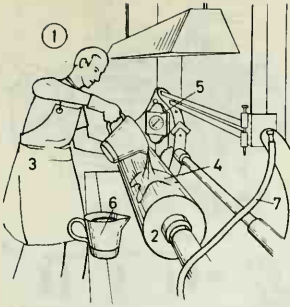


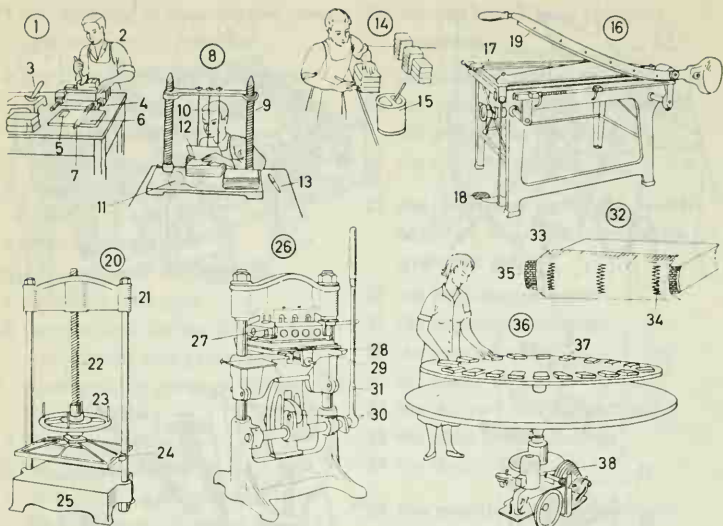
175 Letterpress Printing

- 1-65 printing machines,
- 1 the two-revolution high-speed press** or printing machine:
- 2 the impression cylinder
- 3 the cam for lifting or lowering the cylinder
- 4 the feed board
- 5 the automatic sheet-feeder, operated by suction and compressed air (by automatic sheet-feeding blowers and vacuum suckers)
- 6 the air pump for sucking or compressing air for feeding and delivery mechanism
- 7 the cylinder-inking apparatus with distributor and ink rollers
- 8 the ink table (ink slab)
- 9 the pile of printed paper
- 10 the anti-set-off spray
- 11 the interleaving paper feeder
- 12 the start and stop pedal;
- 13 the platen machine** (platen) [section]:
- 14 the paper feed and delivery
- 15 the platen
- 16 the toggle-lever drive
- 17 the forme bed
- 18 the inking roller (ink roller, inker)
- 19 the inking unit for distributing the printing ink;
- 20 the stop cylinder press:**
- 21 the feed board
- 22 the feeding apparatus
- 23 the pile of blank sheets
- 24 the paper guard
- 25 the pile of printed sheets
- 26 the control mechanism
- 27 the inking roller (ink roller, inker)
- 28 the inking unit;
- 29 the platen machine** ['Heidelberg']:
- 30 the feed board with the pile of blank sheets
- 31 the delivery table
- 32 the start and stop device
- 33 the delivery blower
- 34 the spray gun
- 35 the air pump for suction, and blown, air;
- 36 the locked-up forme:**
- 37 the type (matter)
- 38 the chase
- 39 the quoin (wedge)
- 40 the furniture;
- 41 the letterpress rotary printing press** (rotary printing machine, rotary) for newspapers up to 16 pages:
- 42 the cutting rollers for cutting or slitting the web longitudinally
- 43 the web (roll of paper)
- 44 the impression cylinder
- 45 the tensioning roller
- 46 the paper reel
- 47 the automatic web brake
- 48 the first-impression printing control
- 49 the perfecting control
- 50 the inking unit (ink unit)
- 51 the plate cylinder
- 52 the cylinder for the second colour
- 53 the delivery to folder
- 54 the tachometer with sheet-counter
- 55 the folder (folding mechanism)
- 56 the folded newspaper;
- 57 the ink fountain** (inking unit) for the rotary printing press [section]:
- 58 the web
- 59 the impression cylinder
- 60 the plate cylinder
- 61 the inking roller (ink roller, inker)
- 62 the distributor drum
- 63 the vibrator roller
- 64 the duct roller
- 65 the ink fountain (inking duct, ink duct)



- 1 the etching of the rotogravure (photogravure) cylinder:
- 2 the copper cylinder with print (copied print) on it (rotogravure cylinder)
- 3 the photogravure-etcher
- 4 the acid solution; *here* : perchloride of iron
- 5 the control clock
- 6 the acid-proof etching bath
- 7 the water feed pipe;
- 8 the web feed for the folder of a rotogravure web press (rotary photogravure press), a turning-bar mechanism:
- 9 the cut or slit web
- 10 the turning bar
- 11 the cutting or slitting unit
- 12 the cutting or slitting rollers
- 13 the web coming from the printing unit [in full width];
- 14 the rotogravure printing unit [section]:
- 15 the rotogravure cylinder (plate cylinder)
- 16 the ink duct
- 17 the liquid gravure ink
- 18 the doctor blade
- 19 the doctor-blade adjuster
- 20 the impression cylinder (rubber-covered cylinder)
- 21 the web
- 22 the adjuster for the impression cylinder;
- 23 the carbon tissue transfer machine:
- 24 the polished copper cylinder
- 25 the rubber roller for pressing on the printed carbon tissue
- 26 the marking device;
- 27 the printing unit of a multi-colour (*Am.* multi-color) rotogravure press:
- 28 the push-button panel
- 29 the impression cylinder
- 30 the printed web
- 31 the blank web
- 32 the delivery and register roller
- 33 the plate cylinder
- 34 the doctor blade;
- 35 the multi-colour (*Am.* multi-color) rotogravure press:
- 36 the left-and-right printing unit
- 37 the folder (folding apparatus)
- 38 the outlet pipe for solvent vapours (*Am.* vapors)
- 39 the operating and controlling desk
- 40 the paper-reel holder



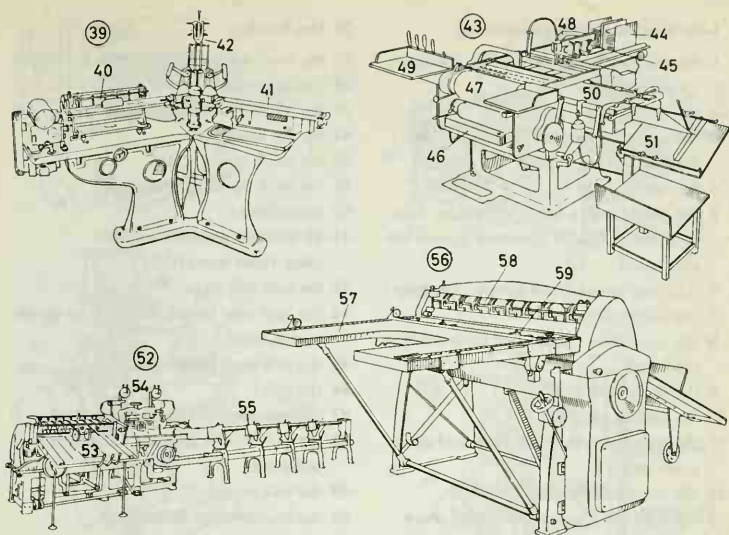


1-38 the hand bookbinding workshop (*Am.* bindery),

- 1-38 the hand bookbinding**

workshop (*Am.* bindery),

 - 1 gilding (finishing) the back of the book:
 - 2 the gilder, a bookbinder
 - 3 the gilding tool; *here* : a palet
 - 4 the gilding press (laying press)
 - 5 the gold leaf (gold foil)
 - 6 the gold-leaf cutting pad
 - 7 the gold-leaf knife;
 - 8 hand sewing;
 - 9 the sewing frame
 - 10 the sewing cord (sewing tape)
 - 11 the ball of sewing thread
 - 12 the book section ready for sewing
 - 13 the bookbinder's knife;
 - 14 book-back glueing;
 - 15 the glue pot;
 - 16 the chopper;
 - 17 the back gauge (*Am.* gage)
 - 18 the clamp with foot treadle
 - 19 the knife beam;
 - 20 the standing press:
 - 21 the head beam
 - 22 the screwed spindle
 - 23 the pressure wheel
 - 24 the top plate or upper platen
 - 25 the base;
 - 26 the gold blocking and embossing press, a hand-lever press:
 - 27 the heated blocking or top platen
 - 28 the sliding work-table
 - 29 the embossing or bottom platen
 - 30 the toggle action
 - 31 the hand lever;



32 the book sewn on gauze or mull (sewn book):

33 the backing material (gauze or mull)

34 the sewing

35 the head band;

36 the gathering table, a rotating table:

37 the piles of signatures

38 the motor for rotating the table;

39-59 bookbinding machinery,

39 the unsewn binding machine:

40 the inserting and clamping section

41 the fanning and glueing section

42 the nipping and mull-applying section;

43 the case-making machine:

44 the board feed hopper

45 the board sucker plates

46 the glue tank

47 the cylinder for glueing the covering materials

48 the picker head (suction arm)

49 the feed table for covering materials [linen, paper, or leather]

50 the pressing mechanism

51 the delivery board;

52 the gang stitcher wire-stitching machine:

53 the delivery

54 the stitcher heads

55 the feeding stations;

56 the rotary board-cutting machine:

57 the feed table with cut-out section

58 the rotary cutters

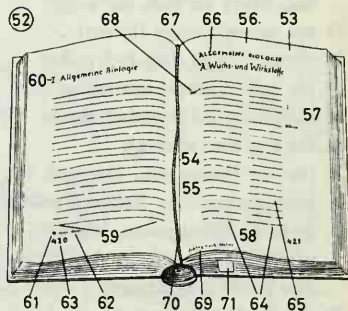
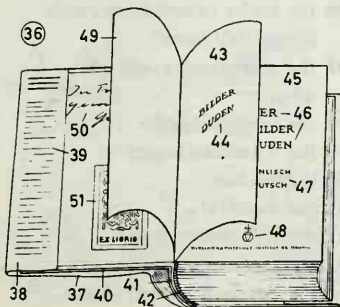
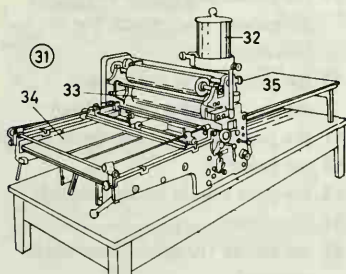
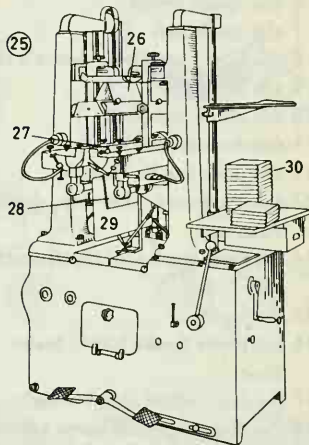
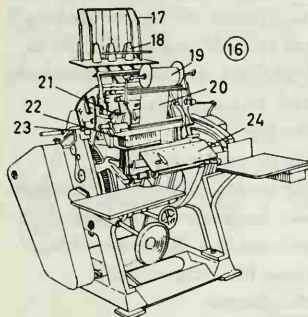
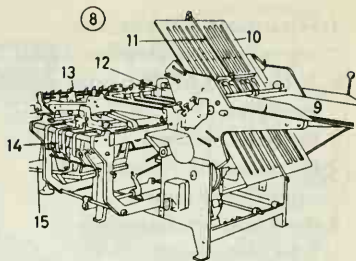
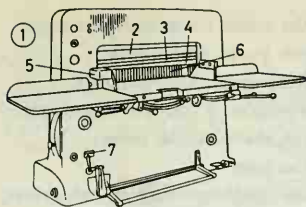
59 the automatic cross feed bar

1-35 bookbinding machines,

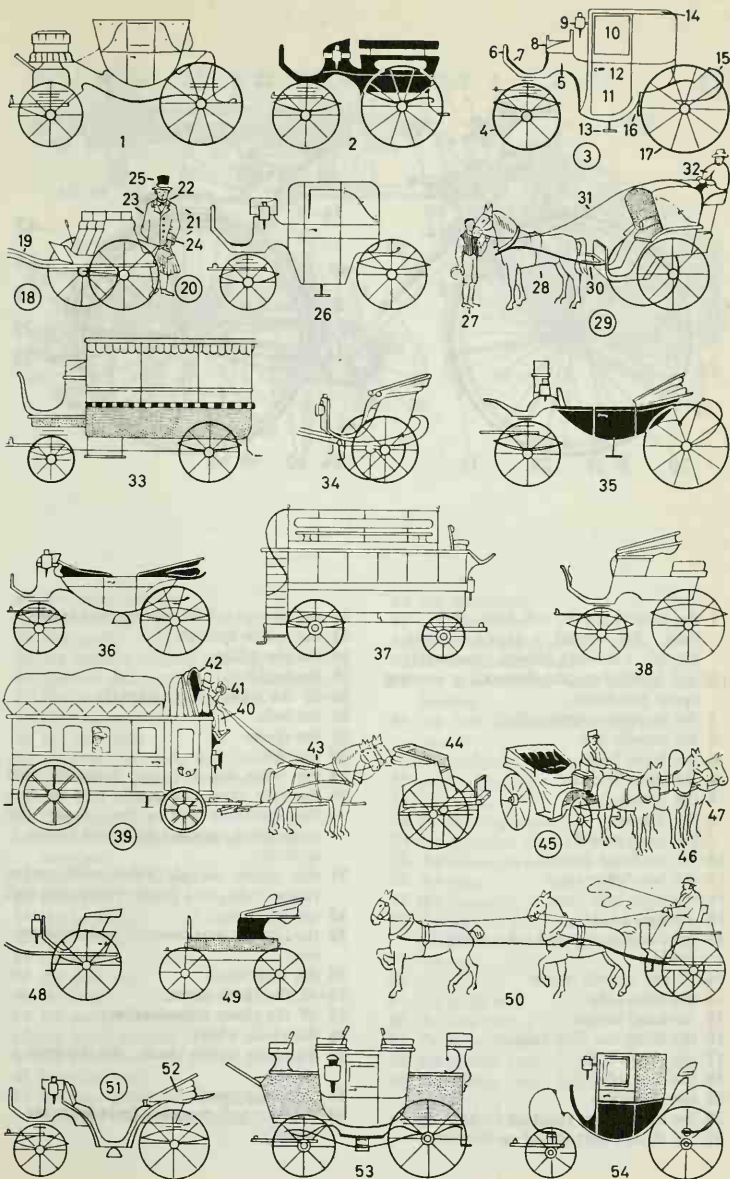
- 1 the guillotine, a papercutting machine (paper-cutter);
- 2 the knife beam
- 3 the knife for diagonal dip-shear and vertical cutting actions
- 4 the clamp beam
- 5 the photo cell, a safety device [in England mechanically operated guards are also used]
- 6 the back gauge (feed gauge, *Am. gage*)
- 7 the clamp pressure scale;
- 8 the combined buckle and knife folding machine:
- 9 the sheet feed table
- 10 the folding plates
- 11 the register scale for the first-fold gauge (*Am. gage*)
- 12 the cross-fold knives
- 13 the delivery for parallel folded work
- 14 the third cross fold unit
- 15 the delivery box for cross-folded work;
- 16 the thread book-sewing machine:
- 17 the thread cop holder
- 18 the thread cop
- 19 the gauze-holder or mull-holder
- 20 the backing gauze or mull
- 21 the sewing needle holders
- 22 the sewn book
- 23 the book tray
- 24 the sewing saddle;
- 25 the casing-in machine;
- 26 the book cover or book case
- 27 the glue rollers
- 28 the uncased book
- 29 the book blade
- 30 the cased books;
- 31 the glueing machine for whole-surface, stencil, edge, and strip, glueing:
- 32 the glue tank
- 33 the glue roller
- 34 the feed table
- 35 the delivery;

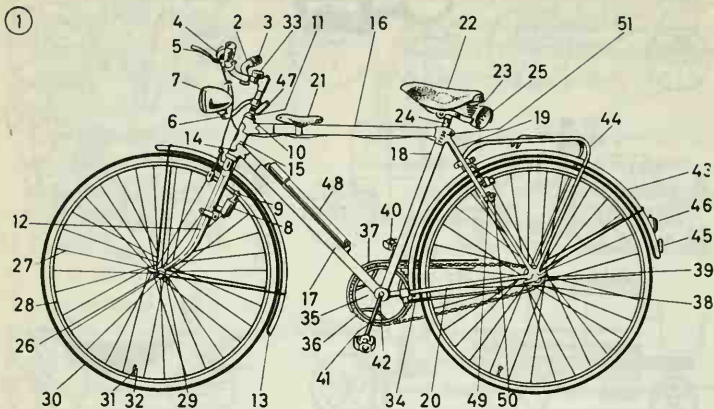
36 the book;

- 37 the book jacket (dust cover), a wrapper
- 38 the jacket flap
- 39 the blurb (advertising text)
- 40-42 the binding:
- 40 the book cover (case)
- 41 the back (spine) of the book
- 42 the tailband;
- 43-47 the title pages or prelims (*Am. front matter*):
- 43 the half-title page
- 44 the half-title (short, bastard, or abbreviated, title)
- 45 the title page (inner title)
- 46 the title
- 47 the subtitle (subhead, subheading);
- 48 the publisher's imprint (publisher's colophon)
- 49 the end paper
- 50 the handwritten dedication
- 51 the book plate (*ex libris*);
- 52 the open book:
- 53 the printed page (page)
- 54 the fold
- 55-58 the margins:
- 55 the back (inner, or inside) margin
- 56 the head (upper) margin
- 57 the fore-edge (foreedge, outside) margin
- 58 the foot (tail, lower) margin;
- 59 the type area
- 60 the chapter heading (title of the chapter)
- 61 the asterisk or footnote reference
- 62 the footnote, a note
- 63 the page number
- 64 the double-column type area
- 65 the column
- 66 the running title (title of the column)
- 67 the subtitle
- 68 the marginal (side) note
- 69 the signature mark
- 70 the bookmarker (ribbon)
- 71 the loose bookmarker

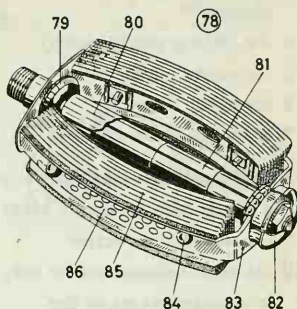
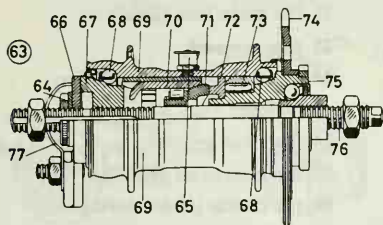
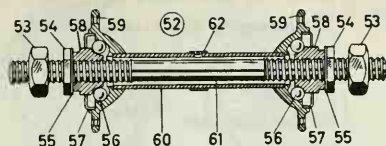


- 1-54 carriages (vehicles, conveyances, horse-drawn vehicles),
- 1-3, 26-39, 45, 51-54 coaches and carriages:
 - 1 the berlin (berline)
 - 2 the wagonette (waggonette);
larger : break (brake)
 - 3 the coupé; *sim.* brougham
(*Am.* town coupé):
 - 4 the front wheel
 - 5 the coach body
 - 6 the splash board
 - 7 the footboard
 - 8 the box (coach box, driver's seat)
 - 9 the lantern
 - 10 the coach window
 - 11 the door (coach door)
 - 12 the door handle (handle)
 - 13 the footboard (side-step, carriage step, step)
 - 14 the fixed coach roof (fixed coach top)
 - 15 the spring
 - 16 the brake (brake block, brake shoe)
 - 17 the back wheel (hind wheel);
 - 18 the dogcart, a one-horse vehicle:
 - 19 the shaft (thill, pole);
 - 20 the lackey (footman, man servant, livery servant, servant):
 - 21 the lackey's dress (livery)
 - 22 the gallooned (braided) collar
 - 23 the gallooned (braided) coat
 - 24 the gallooned (braided) sleeve
 - 25 the top hat (topper);
 - 26 the cab (horse cab, clarence, fly, hackney carriage, hackney coach, growler, hired coach, hired carriage, four-wheeler fiacre, *Am.* hack, job carriage)
 - 27 the stableman (groom)
 - 28 the coach horse (carriage horse, cab horse, shaft horse)
 - 29 the hansom (hansom cab), a cabriolet, a one-horse carriage:
 - 30 the shafts (thills, poles);
 - 31 the reins
 - 32 the coachman (driver, cab-driver, cabman, *coll.* cabby) with Inverness (cloak with removable cape)
 - 33 the covered char-à-banc (break, brake, *Am.* station car, sightseeing car), an excursion vehicle
 - 34 the gig
 - 35 the barouche (calash)
 - 36 the landau, a two-horse carriage; *sim.* landaulet (landaulette)
 - 37 the omnibus (horse omnibus, horse bus, stage coach)
 - 38 the phaeton
 - 39 the mailcoach (stage coach, diligence), *also* : coach for passengers:
 - 40 the postil(l)ion (mailcoach driver, post boy, coachman)
 - 41 the postil(l)ion's horn (post horn)
 - 42 the hood
 - 43 the post horses (relay horses);
 - 44 the tilbury
 - 45 the tróika (Russian three-horse carriage):
 - 46 the leader (wheel horse, pole horse, thill horse)
 - 47 the near wheeler; *opp.* off wheeler;
 - 48 the English buggy
 - 49 the American buggy
 - 50 the tandem
 - 51 the victoria:
 - 52 the collapsible hood;
 - 53 the mailcoach (stage coach)
 - 54 the covered (closed) chaise





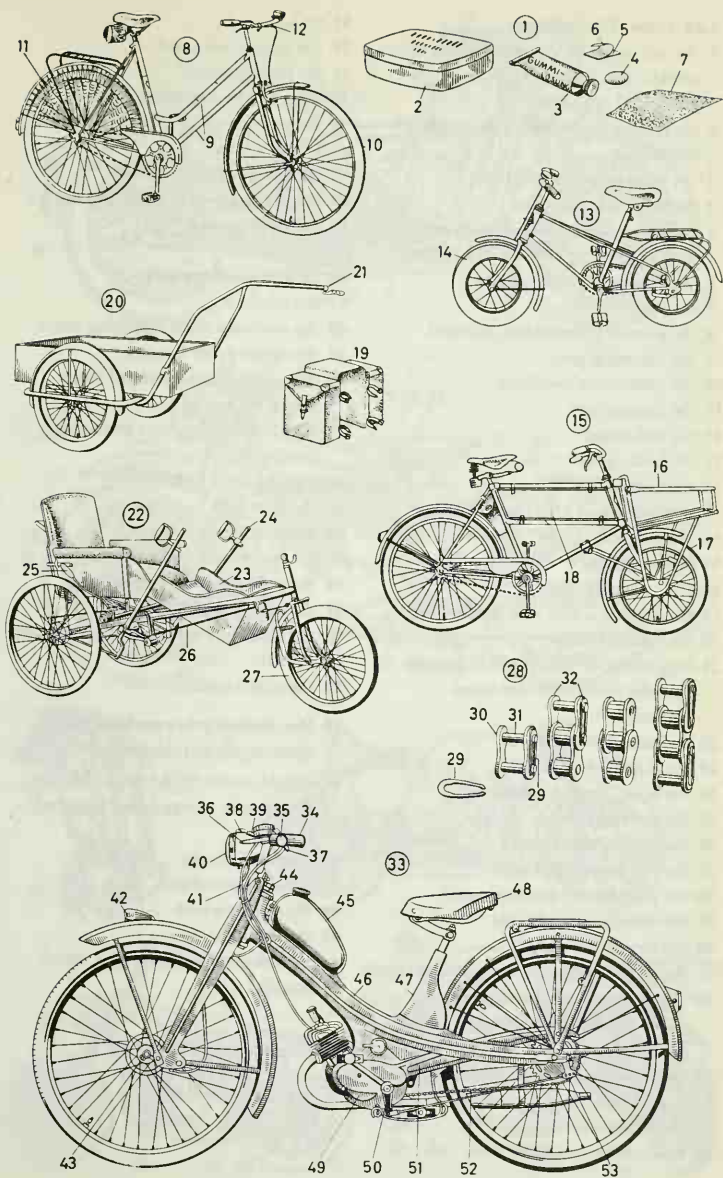
- 1 the bicycle (cycle, *coll.* bike, push-bike, *Am.* wheel), a gent's (man's) bicycle, a touring bicycle (roadster),
- 2 the handlebar (handlebars), a touring cycle handlebar:
- 3 the handlebar grip (grip);
- 4 the bicycle bell
- 5 the front brake
- 6 the lamp bracket
- 7 the bicycle lamp
- 8 the dynamo:
- 9 the rotor wheel;
- 10-12 the front forks:
- 10 the handlebar stem
- 11 the head lock ring
- 12 the fork blades;
- 13 the front mudguard (*Am.* front fender)
- 14-20 the bicycle frame:
- 14 the head tube
- 15 the head badge
- 16 the cross bar (top tube)
- 17 the down tube
- 18 the seat tube
- 19 the seat stays
- 20 the chain stays (bottom forks);
- 21 the child's seat (child carrier seat)
- 22 the bicycle saddle (spring seat saddle)
- 23 the saddle springs
- 24 the seat pillar
- 25 the tool bag
- 26-32 the wheel (front wheel):
- 26 the hub
- 27 the spoke
- 28 the rim
- 29 the wing nut (fly nut, butterfly nut)
- 30 the tyre (tire, pneumatic tyre or tire, high-pressure tyre or tire); *inside*: the inner tube, *outside*: the cover (outer cover):
- 31 the valve, an air valve with valve rubber tube, or a patent valve with ball
- 32 the valve cap;
- 33 the bicycle speedometer with cyclometer
- 34 the kick stand
- 35-42 the chain drive,
- 35-39 the chain transmission:
- 35 the chain wheel
- 36 the chain (roller chain, *Am.* bushed chain)
- 37 the chain guard
- 38 the rear hub sprocket (rear sprocket wheel)



- 39 the chain-adjuster;
- 40 the pedal
- 41 the crank
- 42 the bottom bracket bearing axle;
- 43 the rear mudguard (*Am.* rear fender)
- 44 the carrier (luggage-carrier)
- 45 the rear reflector
- 46 the rear light
- 47 the rear (tail) light indicator lamp
- 48 the bicycle pump (inflator)
- 49 the bicycle lock
- 50 the patent key
- 51 the bicycle frame number (factory number)
- 52 the front-wheel hub:
- 53 the nut
- 54 the lock nut
- 55 the washer
- 56 the ball
- 57 the dust cap
- 58 the cone
- 59 the pedal ball-race
- 60 the pedal spindle
- 61 the axle
- 62 the oiler clip;
- 63 the free-wheel hub with back-pedal brake (with coaster brake);

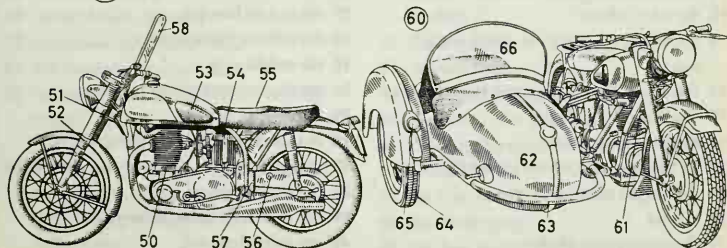
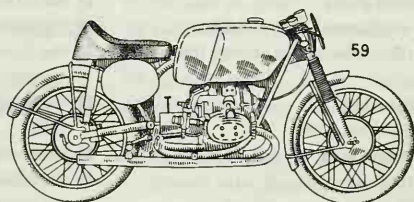
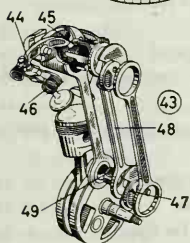
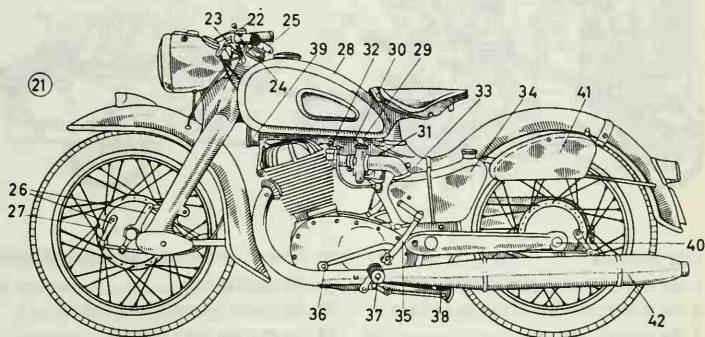
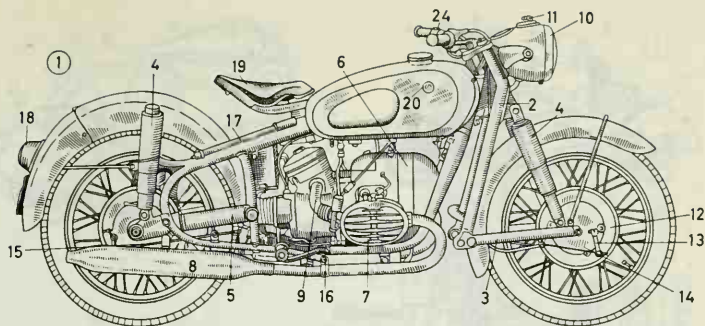
- 64 the safety nut
- 65 the lubricator
- 66 the brake arm
- 67 the brake-arm cone
- 68 the ball housing with ball in the ball bearing
- 69 the hub shell (hub body, hub barrel)
- 70 the brake casing
- 71 the brake cone
- 72 the driver
- 73 the driving barrel
- 74 the sprocket (rim of the gear wheel)
- 75 the thread head
- 76 the axle
- 77 the bracket;
- 78 the bicycle pedal (reflector pedal, rubber pedal), block pedal:
- 79 the cup
- 80 the spindle
- 81 the pedal pin
- 82 the dust cap
- 83 the pedal frame
- 84 the rubber stud
- 85 the rubber block (rubber tread)
- 86 the glass reflectors

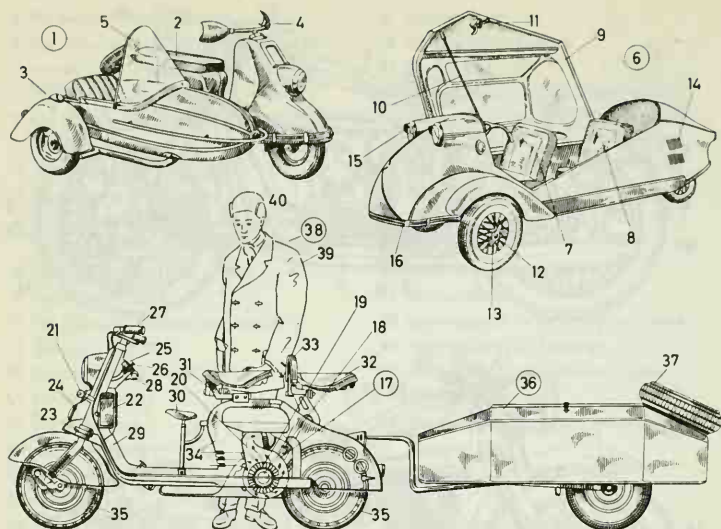
- 1 the repair kit:
- 2 the repair kit box
- 3 the rubber solution (rubber cement)
- 4 the oblong patch (patch)
- 5 the round patch
- 6 the gauze cover
- 7 the glass (sand) paper;
- 8 the lady's bicycle (lady's cycle), a sports bicycle (sports bike):
- 9 the double-tube frame
- 10 the semi-balloon tyre or tire, a low-pressure tyre or tire
- 11 the dress guard
- 12 the sports handlebar or handlebars;
- 13 the child's bicycle (child's cycle, *Am.* child's bike, kid's bike):
- 14 the balloon tyre or tire;
- 15 the carrier bicycle, a delivery bicycle, a special bicycle:
- 16 the front luggage-carrier
- 17 the small front wheel
- 18 the firm's name-plate;
- 19 the bicycle panniers
- 20 the bicycle trailer:
- 21 the ball coupling;
- 22 the invalid carriage (invalid tricycle, three-wheeled chair), a hand-propelled carriage:
- 23 the foot-rest
- 24 the propelling lever
- 25 the hand brake
- 26 the steering mechanism
- 27 the steering wheel;
- 28 the chain parts for moped,
- 29-31 the connecting link:
- 29 the spring clip fastener
- 30 and 31 the rivet and side plate unit:
- 30 the side-plate
- 31 the rivet;
- 32 the chain link (link);
- 33 the moped,
- 34-39 the autocycle handlebar fittings:
- 34 the twist grip
- 35 the gear twist grip
- 36 the clutch (clutch lever)
- 37 the hand brake
- 38 the light switch
- 39 the built-in speedometer (speedometer);
- 40 the autocycle headlight
- 41 the Bowden cables
- 42 the motif
- 43 the hub
- 44 the rear (tail) light indicator lamp
- 45 the fuel tank
- 46 the tank frame, an oval-tube frame
- 47 the sheet-steel casing
- 48 the cantilever saddle
- 49 the autocycle engine, a single-cylinder engine, a two-stroke (*Am.* two-cycle) engine with crankcase scavenging
- 50 the built-in kickstarter (starting pedal)
- 51 the chain guard (chain cover)
- 52 the driving chain
- 53 the chain-adjuster



182 The Motorcycle (Motor Bicycle)

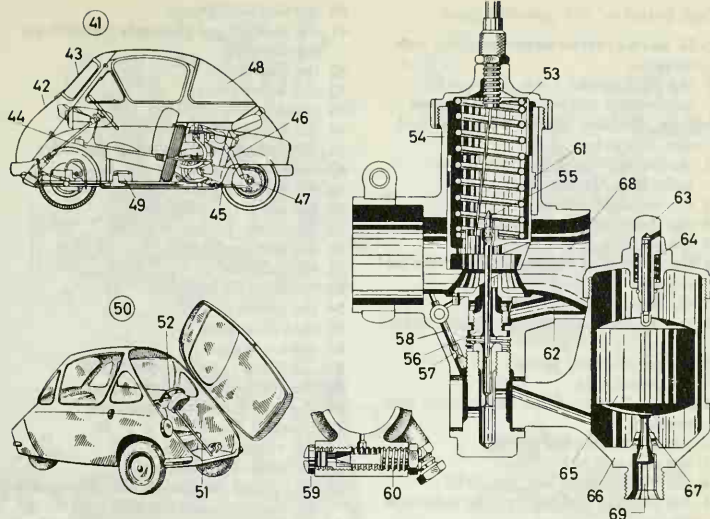
- 1-59 solos** (solo machines),
- 1 the side-valve (S.V.) two-cylinder four-stroke (*Am.* four-cycle) motor with horizontal cylinders:
 - 2 the tubular frame with front and rear suspension
 - 3 the front-wheel leading link
 - 4 the telescopic springing
 - 5 the back (rear) wheel swinging arm with shaft drive and universal joint
 - 6 the opposed-cylinder engine
 - 7 the cylinder head
 - 8 the silencer (exhaust box, muffler)
 - 9 the induction pipe
 - 10 the motorcycle headlight
 - 11 the ignition key
 - 12 the hub brake
 - 13 the brake lever
 - 14 the brake cable
 - 15 the back (rear) wheel brake linkage
 - 16 the rear brake pedal (*Am.* service brake)
 - 17 the tyre inflator
 - 18 the rear (tail) light
 - 19 the pivoted saddle with saddle cover
 - 20 the maker's badge;
 - 21 the overhead-valve (O.H.V.) single-cylinder motor with dry-sump lubrication:
 - 22 the carburettor air lever
 - 23 the dipswitch
 - 24 the horn (hooter) button
 - 25 the steering damper
 - 26 the parallel brake levers
 - 27 the full width hub brake
 - 28 the petrol (*Am.* gasoline) tank
 - 29 the throttle control cable
 - 30 the air control cable
 - 31 the carburetter (*Am.* carburetor tickler)
 - 32 the combined filter and petrol tap (*Am.* gasoline shut-off valve) with reserve
 - 33 the tubular section pressed steel frame
 - 34 the oil tank
 - 35 the kickstarter
 - 36 the foot-operated gear lever
 - 37 the foot-rest
 - 38 the motorcycle stand
 - 39 the horn (hooter)
 - 40 the rear wheel spindle (*Am.* axle)
 - 41 the motorcycle tool box (*Am.* tool kit)
 - 42 the silencer (*Am.* muffler);
 - 43 the overhead valve operating crank:
 - 44 the valve rocker
 - 45 the cam
 - 46 the overhead camshaft
 - 47 the eccentric
 - 48 the overhead valve operating crank
 - 49 the needle roller bearing;
 - 50 the vertical shaft overhead valve (O.H.V.) engine
 - 51 the plate showing type or model number
 - 52 the telescopic fork
 - 53 the knee grip
 - 54 the motorcycle battery
 - 55 the motorcycle dual seat
 - 56 the chain guard inspection plug
 - 57 the pillion-rider's foot-rest
 - 58 the handlebar windscreen (*Am.* wind-shield)
 - 59 the sports model;
- 60 the motorcycle combination** (motorcycle and sidecar):
- 61 the side-valve (S.V.) single-cylinder four-stroke motor (*Am.* four-cycle motor)
 - 62 the sidecar body
 - 63 the sidecar bumper
 - 64 the sidecar wheel
 - 65 the side light
 - 66 the sidecar windscreen (*Am.* wind-shield)





1-37 scooters,

- 1 the heavy scooter with sidecar:
- 2 the scooter combined seat and pillion
- 3 the scooter sidecar
- 4 the hand guard
- 5 the windscreen (*Am.* windshield);
- 6 the three-wheel cabin scooter (three-wheeler):
- 7 the front seat
- 8 the back (rear) seat
- 9 the hinged roof
- 10 the roof stay
- 11 the roof lock
- 12 the wire wheel
- 13 the wheel spindle (*Am.* axle) wing nut
- 14 the air-cooling louvres or louvers
- 15 the front lamp visor
- 16 the decorative fillet;
- 17-35 the scooter (motor scooter),
- 17 the engine cooling system:
- 18 the fan
- 19 the air-impeller blades
- 20 the duct for directing air to the cylinder;
- 21 the steering lock
- 22 the starter battery (battery case)
- 23 the steering head bearing
- 24 the fork cover
- 25 the instrument panel
- 26 the dynastarter (combined dynamo and starter)
- 27 the handlebar gear change (*Am.* gear shift)
- 28 the hook for handbag or case
- 29 the tubular frame
- 30 the scooter seat for child
- 31 the saddle bracket
- 32 the pillion (pillion seat)
- 33 the saddle grip
- 34 the sheet-metal casing
- 35 the scooter wheel;
- 36 the scooter trailer (camping trailer):
- 37 the spare wheel;
- 38 the scooter rider:
- 39 the dust coat (*Am.* duster)
- 40 the safety helmet;



41-52 cabin vehicles,

41 the two-seater motor cabin (cabin car), a baby car (*coll. bubble-car, Am. coll. runabout, flivver*):

42 the front door

43 the perspex all-round-view windscreen (*Am. windshield*)

44 the forward-tilting steering column

45 the quarter-elliptic cantilever leaf (laminated) spring

46 the telescopic spring-damper

47 the rigid axle

48 the rear window

49 the hydraulic braking;

50 the four-seater motor cabin:

51 the fixed steering column

52 the half-round (semicircular) steering wheel;

53-69 the carburettor (scooter, and motorcycle, carburettor; *Am. carburetor*), a single-slide carburettor:

53 the slide spring

54 the carburettor body

55 the jet needle

56 the needle jet

57 the pilot jet (pilot)

58 the idling vent (slow-running vent)

59 the slow-running air jet

60 the air-regulating (air-adjusting) screw

61 the throttle slide; *in car engines*: throttle valve (butterfly valve, mixture throttle strangler disk or disc)

62 the atomising air-intake

63 the carburettor tickler

64 the primer (tickler) spring

65 the carburettor float

66 the float chamber (*Am. float bowl*)

67 the float needle

68 the choke tube

69 the float valve

Engl. petrol = *Am.* gasoline (gas)

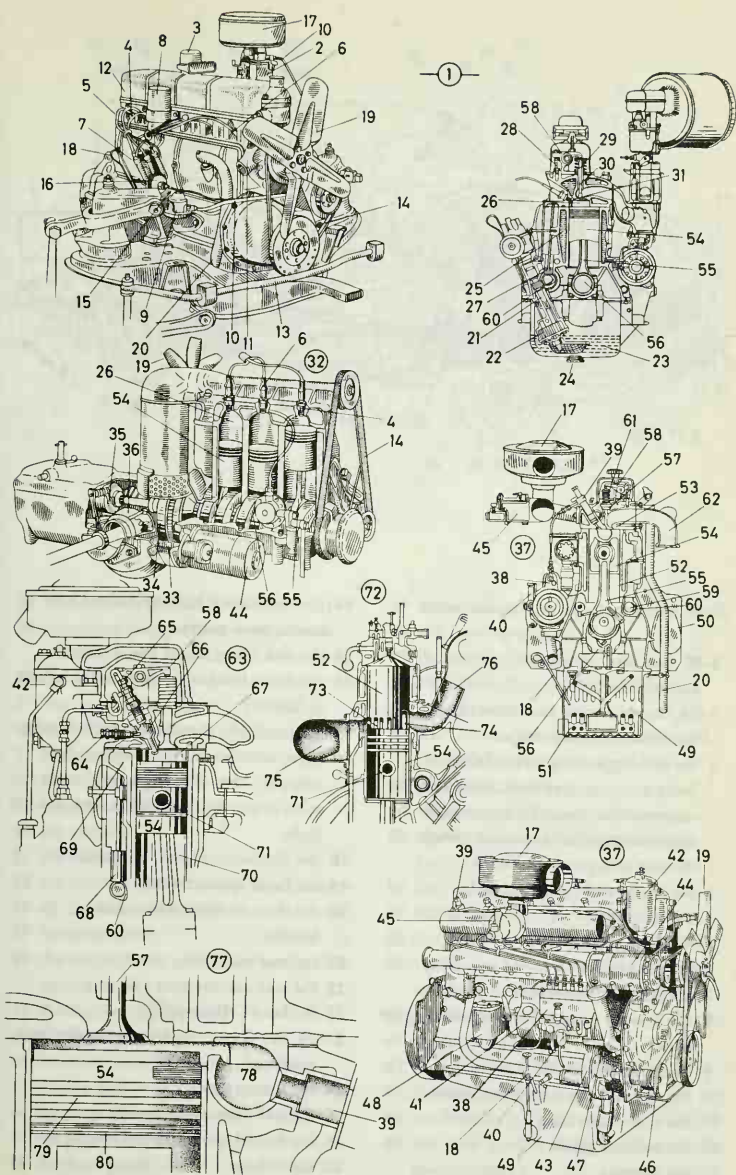
1-36 carburettor engines (Otto motors),

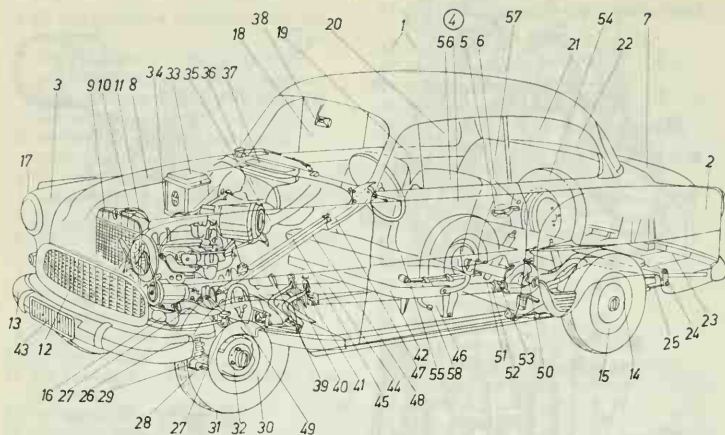
- 1 the four-stroke (*Am.* four-cycle) carburettor engine, a petrol engine (*Am.* gasoline motor) with push rod and side valve;
- 2 the carburettor (*Am.* carburetor, carbureter, carburetter)
- 3 the ventilation inlet
- 4 the sparking plug (*Am.* spark plug)
- 5 the ignition cable
- 6 the cable shoe (cable thimble, wire terminal)
- 7 the distributor (timer)
- 8 the ignition (intensity, spark, induction) coil
- 9 the petrol (fuel) pump
- 10 the petrol pipe
- 11 the cool water point (water inlet connection)
- 12 the valve chamber cover
- 13 the anti-roll bar
- 14 the V-belt (cone belt, fan belt)
- 15 the vacuum fuel pipe to the induction elbow
- 16 the vacuum (*Am.* depression) adjustment
- 17 the air filter
- 18 the oil dip-stick
- 19 the fan
- 20 the crankcase ventilation
- 21 the distributor, and oil pump, shaft
- 22 the oil pump
- 23 the oil sump
- 24 the sump drain plug
- 25 the engine block (cylinder block)
- 26 the combustion chamber
- 27 the valve tappet (*also Am.* push rod)
- 28 the valve push rod
- 29 the inlet, or exhaust, valve
- 30 the valve stem
- 31 the valve head;
- 32 the two-stroke (*Am.* two-cycle) carburettor engine:
- 33 the starter pinion
- 34 the flywheel
- 35 the free wheel
- 36 the differential;

37-80 diesel engines (heavy-oil engines, oil engines),

- 37 the four-stroke (*Am.* four-cycle) diesel engine with chamber in the piston (piston chamber):
- 38 the injection pump
- 39 the atomiser (injection valve, injection nozzle)

- 40 the fuel feed pump
- 41 the centrifugal governor (centrifugal regulator)
- 42 the fuel filter
- 43 the water pump
- 44 the dynamo
- 45 the cold-start device
- 46 the tachometric warning appliance
- 47 the oil-filler pipe
- 48 the oil filter
- 49 the sump (oil pan)
- 50 the starter motor
- 51 the heat-exchanger
- 52 the cylinder
- 53 the cylinder head
- 54 the piston
- 55 the connecting rod
- 56 the crankshaft
- 57 the valve (*Am.* poppet valve)
- 58 the rocker arm (valve rocker)
- 59 the low (low-level) camshaft
- 60 the cam
- 61 the valve spring
- 62 the exhaust manifold;
- 63 the diesel engine with antechamber (pre-combustion engine):
- 64 the igniter (glower plug, heater plug) for pre-glowing (pre-heating)
- 65 the jet
- 66 the antechamber (pre-combustion chamber)
- 67 the compression chamber
- 68 the tappet with push rod
- 69 the cooling liquid
- 70 the cylinder bore
- 71 the hollow piston pin (gudgeon wrist pin (*Am.* wrist pin));
- 72 the two-stroke (*Am.* two-cycle) valveless diesel engine:
- 73 the inlet ports
- 74 the exhaust ports
- 75 the fresh air
- 76 the exhaust gases;
- 77 the diesel engine with turbulence chamber:
- 78 the turbulence chamber
- 79 the compression rings, piston rings
- 80 the oil scraper ring, a piston ring





Engl. motor-car, car = Am. car, auto

1-65 the car (motor-car, automobile),

1-58 the car chassis and the car body (coachwork, carrosserie):

1 the self-supporting welded all-steel body in chassis-less (unit, frameless) construction (integral, monocoque construction) [broken-open view]

2 the rear side-panel

3 the mudguard (wing, fender)

4 the car door:

5 the door handle

6 the door lock;

7 the boot-lid, trunk-lid

8 the bonnet (engine bonnet, *Am.* engine hood)

9 the radiator

10 the radiator cap with safety valve

11 the cool-water hose

12 the radiator grille

13 the bumper

14 the ornamental hub cap (wheel hub cover, nave plate)

15 the disk (disc) wheel (solid wheel)

16 the front blinker (*Am.* front direction indicator)

17 the headlight (headlamp) with driving light, anti-dazzle (short-range) light (dipper; *Am.* with high and low beam, with bright and dim light), and parking light

18 the windscreen (*Am.* windshield)

19 the front quarter vent

20 the door window with crank handle

21 the rear window

22 the rear quarter vent

23 the boot (*Am.* trunk)

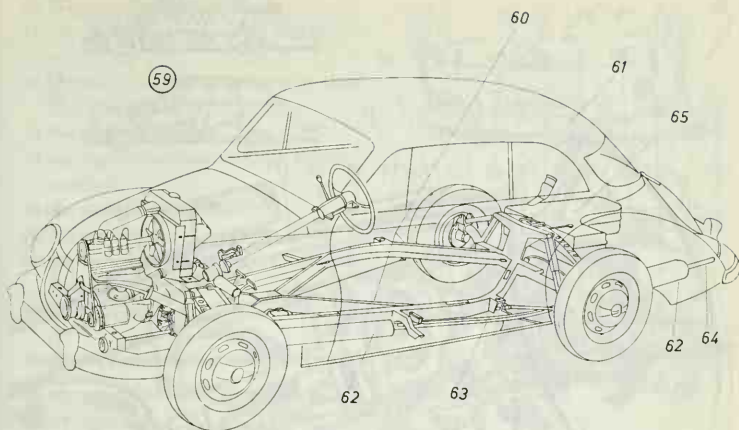
24-29 the car suspension (car springing) system:

24 the spring shackle

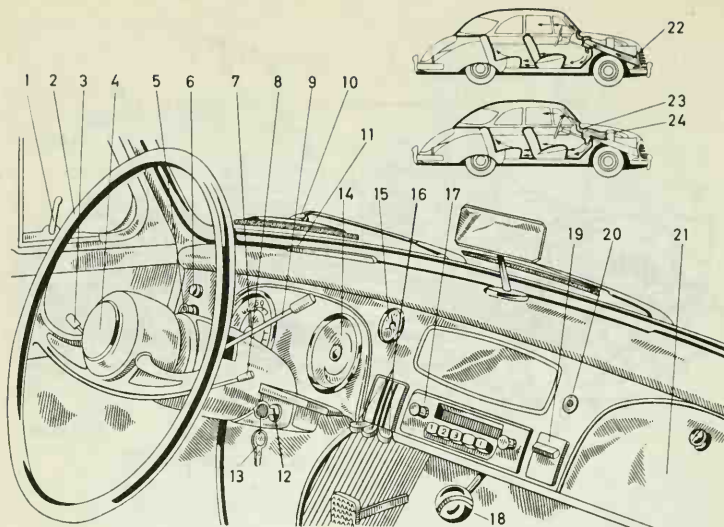
25 the leaf (laminated) spring

26 the helical spring or coil spring

27 the linkage



- | | |
|---|---|
| 28 the stub axle bracket | 47 the cowling |
| 29 the spring-damper (<i>commonly</i> : shock-absorber; <i>Am.</i> snubber); | 48 the steering column |
| 30 the wheel rim | 49 the steering box |
| 31 the car tyre (car tire) | 50 the differential gear (differential) |
| 32 the wheel bolt | 51 the rear axle |
| 33 the battery | 52 the Cardan shaft (propeller shaft with universal joints) |
| 34 the battery stand | 53 the Cardan joint |
| 35 the defroster hose | 54 the spare wheel |
| 36 the air hose | 55 the front seat (driving seat, driver's seat), a folding seat |
| 37 the ventilator | 56 the folding squab |
| 38 the driving (driver's, rear view) mirror | 57 the back seat (<i>Am.</i> rumble seat) |
| 39-41 the foot levers (pedals): | 58 the lever for adjustment of front seat ; |
| 39 the accelerator | 59 the chassis-frame construction (chassis and body as separate units): |
| 40 the brake (brake pedal, foot brake, <i>Am.</i> service brake) | 60 the channel section |
| 41 the clutch (clutch pedal); | 61 the fitted body |
| 42 the seat frame | 62 the silencers (<i>Am.</i> mufflers) |
| 43 the front number plate (<i>Am.</i> front license plate) | 63 the exhaust pipe |
| 44 the propeller shaft tunnel | 64 the exhaust tail pipe |
| 45 the gear-change rod | 65 the tank (petrol tank, fuel tank, <i>Am.</i> gasoline tank) |
| 46 the floor panel | |



Engl. motor-car, car = Am. car, auto

1-21 the car dashboard (car instrument panel, Am. instrument board):

- 1 the front quarter vent handle
- 2 the steering wheel
- 3 the dipswitch (Am. dimswitch, dimmer)
- 4 the horn button (hooter button)
- 5 the windscreen-wiper (Am. windshield-wiper) button
- 6 the starter button (starter)
- 7 the speedometer with mileometer (mileage-recorder, Am. odometer)
- 8 the dash-light (Am. flashlight) lever
- 9 the gear lever
- 10 the windscreen (screen, Am. windshield) wiper
- 11 the defroster louvre or louver
- 12 the ignition switch
- 13 the ignition key
- 14 the petrol gauge (Am. gasoline level gage) with thermometer

- 15 the car clock
- 16 the hot, and fresh-air, levers
- 17 the car wireless (Am. car radio)
- 18 the hand-brake lever
- 19 the car ashtray
- 20 the socket for hand lamp or cigarette-lighter
- 21 the cubby-hole (Am. glove compartment);

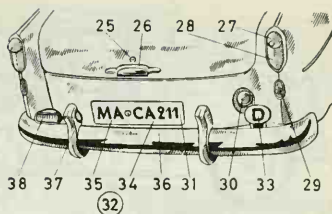
22-24 the car-heating and air-conditioning system:

- 22 the car air-conditioning with fresh air
- 23 the air outlet
- 24 the hot-air system;

25-38 rear part of a car:

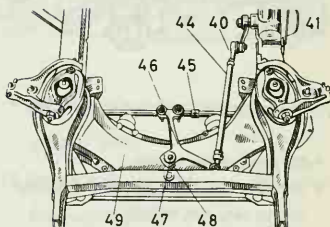
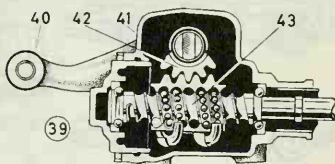
- 25 the boot (Am. trunk) lock
- 26 the boot (Am. trunk) lid handle
- 27 the blinker (direction indicator, 'trafficator', Am. direction light)
- 28 the stop light (stop lamp)
- 29 the rear (tail) light or lamp

- 30 the tank filler sleeve with cap
- 31 the rear number plate (*Am.* rear license plate)
- 32 the police identification mark or number:
- 33 the nationality sign
- 34 the registration number (*Am.* license number)
- 35 the place of registration;
- 36 the rear bumper
- 37 the bumper guard with number plate lighting
- 38 the reversing light;



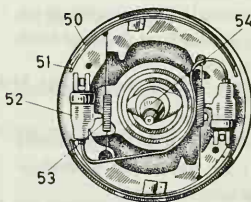
39-49 the car-steering mechanism,

- 39 the worm and sector steering:
- 40 the drop arm
- 41 the steering box
- 42 the toothed sector on the Pitman shaft
- 43 the worm gear with balls;
- 44 the steering rod (drag link)
- 45 the track rod adjusting screw
- 46 the bell-crank lever
- 47 the centre (*Am.* center) bolt
- 48 the tightening screw
- 49 the front suspension crossmember;



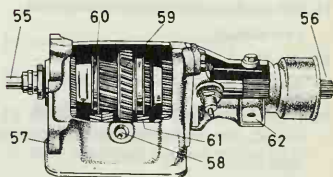
50-54 the car brakes:

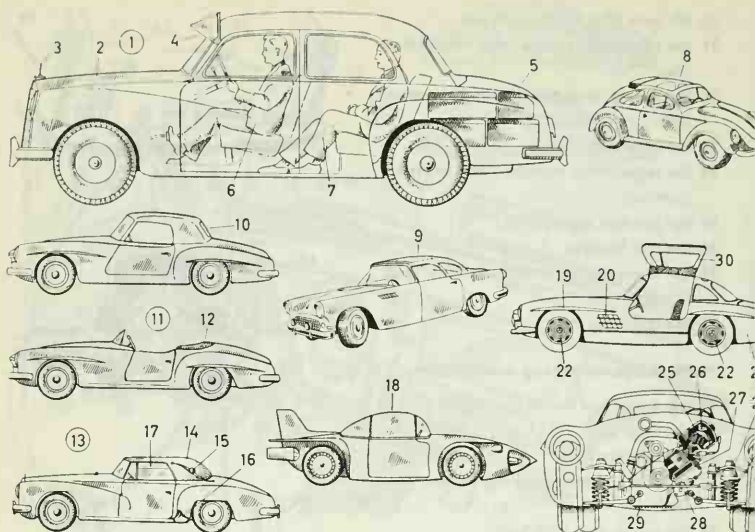
- 50 the brake back plate
- 51 the brake shoe with brake lining
- 52 the wheel-braking cylinder
- 53 the pull-off spring
- 54 the tip of the axle;



55-62 the gears (*Am.* transmission):

- 55 the driving shaft
- 56 the geared-down shaft to the Cardan shaft (propeller shaft)
- 57 the gear box flange
- 58 the oil-filler sleeve
- 59 the helical gear wheels
- 60 the synchromesh clutch hub
- 61 the layshaft toothed wheels
- 62 the gear box mounting



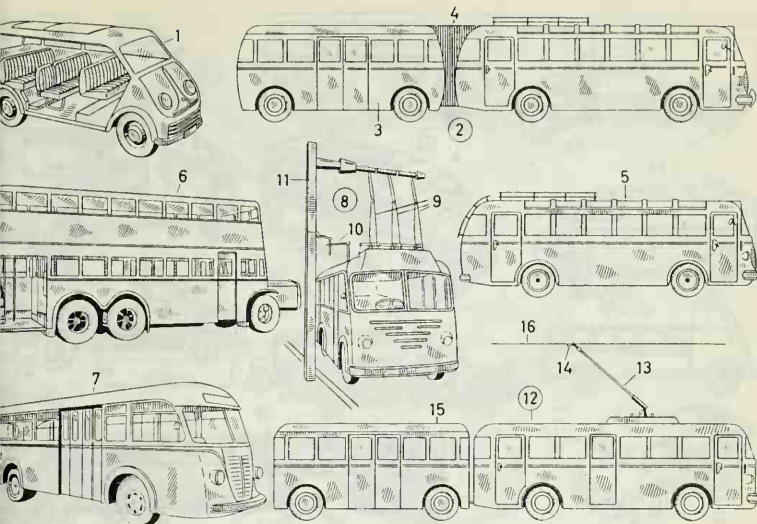


Engl. motor-car, car = Am. car, auto

1-30 motor-car types,

- 1 the two-door saloon (closed motor-car or car, Am. sedan):
- 2 the bonnet (Am. hood)
- 3 the radiator mascot
- 4 the sun shield (Am. sun visor)
- 5 the motor-car boot (luggage boot, Am. car trunk)
- 6 the driver (motorist, Am. autoist)
- 7 the passenger;
- 8 the saloon with sliding (sunshine) roof (Am. convertible landau)
- 9 the de luxe limousine
- 10 the coupé
- 11 the roadster (two-seater sports car, two-seater):
- 12 the dicky (dickey) seats (Am. rumble seats);
- 13 the convertible coupé (drop-head coupé, Am. convertible sedan, convertible):

- 14 the collapsible (convertible, folding) hood or top
- 15 the hood stay (outside hood iron)
- 16 the stone fender
- 17 the wind-up window;
- 18 the rocket-driven car (rocket car)
- 19-30 the sports-racing car:
- 19 the splash form
- 20 the air outlet slots
- 21 the mudguard (Am. fender) sides
- 22 the turbo brakes to reduce braking heat
- 23 the upper wishbone for independent suspension
- 24 the coil springs
- 25 the overhead (overhead valve, O.H.V.), inclined Otto engine (engine in inclined position)
- 26 the overhead camshaft
- 27 the petrol (Am. gasoline) injector
- 28 the fuel injection pump
- 29 the cooling fins
- 30 the roof door with telescopic springing ('gull-wing' door)



1-16 types of buses,

1-7 buses with internal-combustion engines:

- 1 the baby bus (small bus), a touring bus
- 2 the bus with trailer, a long-distance bus:
- 3 the bus trailer

4 the concertina (telescopic) connection;

- 5 the omnibus (bus, motor bus, single-decker bus, single-decker, *Am.* autobus), a rear diesel-engine bus (rear-engined bus) with rear engine

6 the double-decker bus (double-decker)

7 the town bus;

8-16 electric buses,

- 8 the gyro bus with electric-driven fly-wheel, an electro gyro:

9 the contact rods for charging the accumulator unit

10 the contact arm (bracket) for protective earthing

11 the charging pole (charging mast) at the gyro bus stop;

12-16 the trolley bus with trailer,

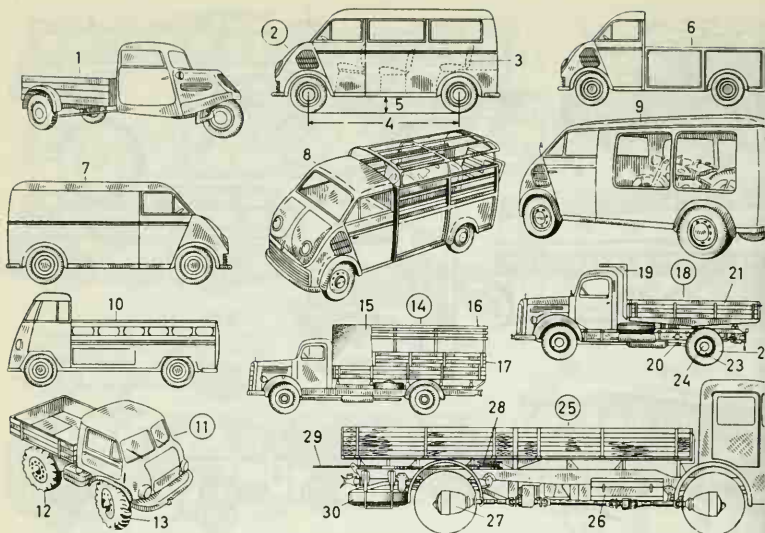
12 the trolley bus (*Am.* trackless trolley):

13 the slewing trolley pole or arm (contact pole or arm)

14 the trolley wheel (trolley);

15 the trolley bus trailer

16 the double-wire overhead line (two-wire overhead contact wires)



Engl. lorry (motor van, van) = Am. truck

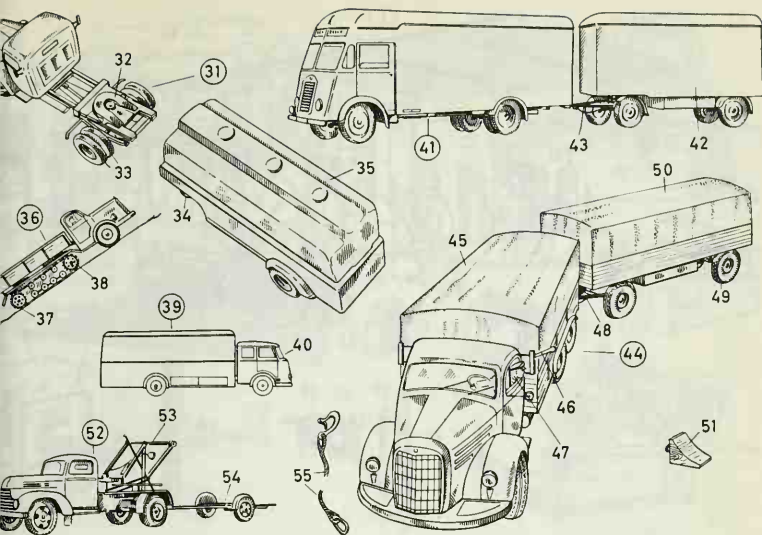
1-13 small lorries and vans (small commercial motor vehicles):

- 1 the three-wheel delivery motor lorry (Am. delivery truck)
- 2 the station wagon (brake, shooting brake, combined passenger and commercial motor vehicle):
- 3 the removable seats
- 4 the wheel base
- 5 the ground clearance (road clearance, clearance above road surface);
- 6 the deep-loading small lorry
- 7 the delivery van
- 8 the cattle van (cattle lorry)
- 9 the advertising van
- 10 the small platform lorry
- 11 the universal truck cab with four-wheel drive:
- 12 the cross-country (Am. off-the-road) tyre or tire
- 13 the tyre (tire) tread (anti-skid tread, non-slip tread);

14-50 motor lorries (motor trucks)

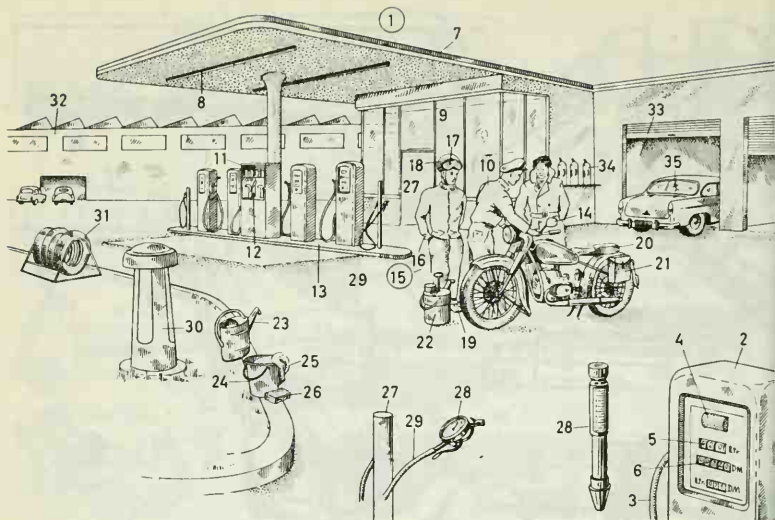
and vans (lorries, trucks, vans, commercial motor vehicles, industrial motor vehicles),

- 14 the drop-sider truck:
- 15 the hood (tilt, canvas cover, canvas covering)
- 16 the hoop (tilt-holder, hood stick)
- 17 the raised side;
- 18 the hydraulic three-way tipper (tipping lorry, tipper, Am. dumping truck, dump truck):
- 19 the cab guard (cab protector)
- 20 the tipping (tilting, Am. dumping) gear
- 21 the tipper body
- 22 the tyres (tires); *outside* : tyre (tire, cover), *inside* : inner tube
- 23 the tyre (tire) valve
- 24 the hub cap;
- 25 the drop-sider with enlarged loading platform:
- 26 the low-slung engine ('underfloor' engine)



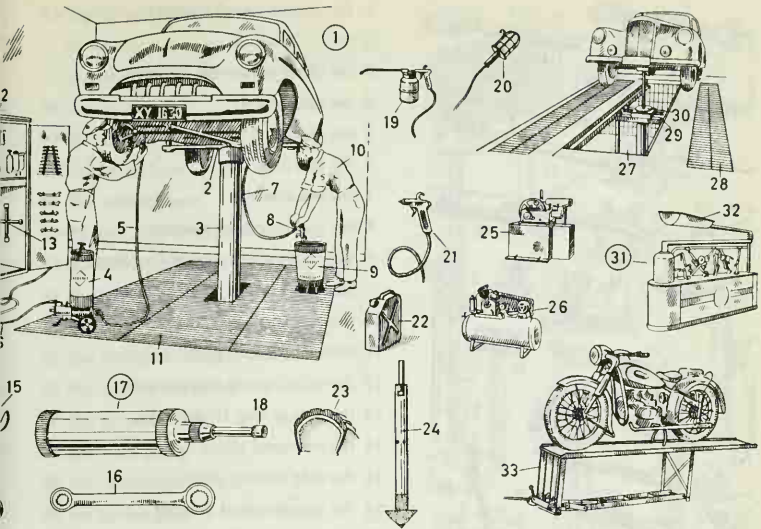
- 27 the differential housing
- 28 the cable winch
- 29 the cable
- 30 the spare wheel;
- 31 the tractor trailer unit:
- 32 the coupling unit
- 33 the dual wheel (double wheel; dual tyre or tire, double tyre or tire)
- 34 the supporting wheels [for when the trailer is unhooked]
- 35 the single-axle trailer, a two-wheel trailer;
- 36 the caterpillar motor lorry (half-track vehicle, *Am.* crawler-type truck:
- 37 the caterpillar track (endless track)
- 38 the driving wheel;
- 39 the large-capacity van:
- 40 the driver's cabin (driver's cab);
- 41 the furniture van (removal van, *Am.* moving van, furniture truck);
- 42 the furniture van trailer

- 43 the combination brake (trailer coupling; brake actuated by trailer pushing against lorry, and stopping trailer in the event of coupling rupture);
- 44 the long-distance lorry with trailer (long-distance road-train), a three-axle lorry:
- 45 the tractor lorry
- 46 the semaphore type direction indicator (trafficator)
- 47 the lorry-driver
- 48 the coupling device (coupling)
- 49 the cushion tyre or tire
- 50 the trailer;
- 51 the chock
- 52 the breakdown lorry (crane lorry, *Am.* wrecking car, trouble car):
- 53 the breakdown crane (*Am.* wrecking crane)
- 54 the breakdown trailer (*Am.* wrecking car trailer)
- 55 the steel cable



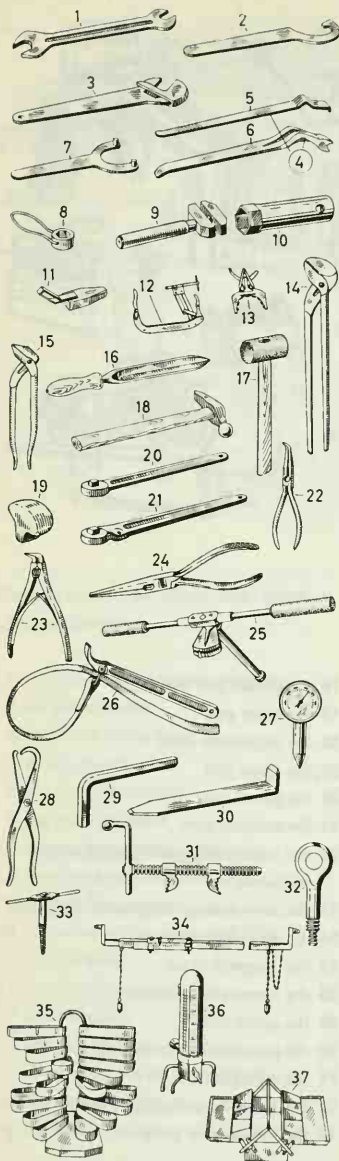
Engl. gauge = Am. gage; Engl. petrol = Am. gasoline (gas)

- | | |
|---|--|
| 1 the filling station (petrol station): | 17 the motoring goggles |
| 2 the petrol pump | 18 the crash helmet |
| 3 the petrol pump hose | 19 the motorcycle boots; |
| 4 the inspection glass | 20 the pillion (pillion seat) |
| 5 the petrol flowmeter | 21 the pannier bag |
| 6 the price indicator | 22 the petrol dispenser |
| 7 the petrol station canopy | 23 the water can |
| 8 the petrol station lights | 24 the window-cleaning pail |
| 9 the attendant's room | 25 the chamois leather |
| 10 the petrol station attendant (<i>Am. garage man</i>) | 26 the sponge |
| 11 the oil cabinet | 27 the air pump column for motor-driven air pump |
| 12 the oil pump | 28 the tyre pressure gauge |
| 13 the row of pumps; | 29 the air pipe |
| 14 the motorcycle driving mirror | 30 the traffic island lamp |
| 15 the motorcyclist: | 31 the tyre stand |
| 16 the leather jacket | 32 the garage |
| | 33 the garage compartment |
| | 34 the fire-extinguisher |
| | 35 the car mascot |



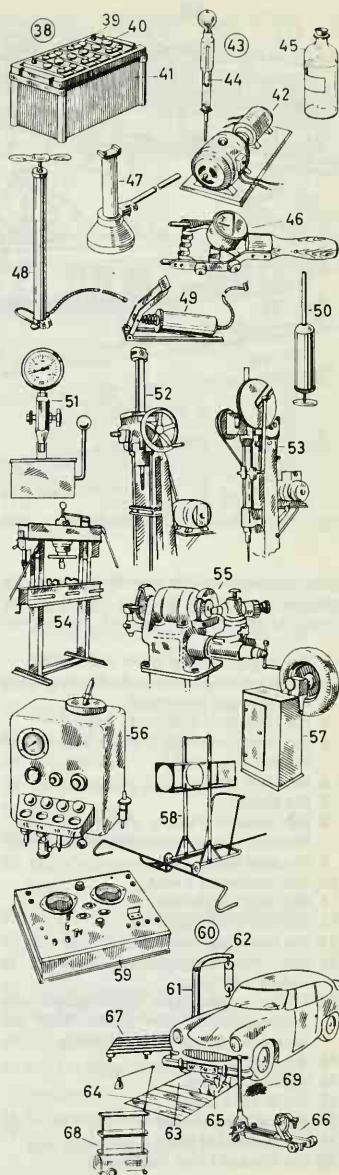
- 1 the lubrication workshop:
- 2 the hydraulic car jack
- 3 the lifting ramp
- 4 the grease compressor
- 5 the high-pressure grease hose
- 6 the compressed-air hose
- 7 the oil hose
- 8 the oil pump
- 9 the sump oil pail
- 10 the car mechanic
- 11 the grating
- 12 the tool cabinet
- 13 the wheel spanner
- 14 the engine oil container;
- 15 the double-ended spanner
- 16 the ring spanner
- 17 the grease gun:

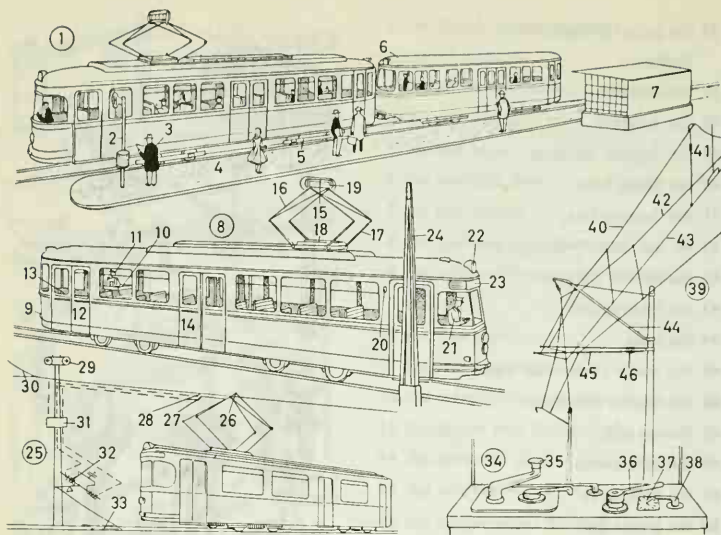
- 18 the grease gun nipple;
- 19 the spray gun
- 20 the inspection lamp
- 21 the spray gun
- 22 the petrol can
- 23 the tubeless tyre
- 24 the vulcanizing paste press for cold vulcanization
- 25 the car-washing compressor machine
- 26 the air compressor
- 27 the inspection pit
- 28 the removable gratings
- 29 the guide rails
- 30 the pneumatic axle car jack
- 31 the oil stand:
- 32 the waste-oil collecting pan;
- 33 the motorcycle ramp



- 1 the double-ended spanner
- 2 the 'C' spanner
- 3 the offset adjustable spanner
- 4 the tyre levers:
- 5 the tyre lever
- 6 the tyre fork lever;
- 7 the pin spanner
- 8 the sparking plug spanner
- 9 the adjustable spanner (monkey wrench)
- 10 the box spanner
- 11 the valve-fitting tool
- 12 the valve spring compressor
- 13 the piston ring fitting tool
- 14 the universal pliers
- 15 the side cutting pliers
- 16 the spoon-edged scraper
- 17 the rubber mallet
- 18 the ball-pane hammer
- 19 the utility dolly
- 20 the toothed-wheel ratchet
- 21 the free-wheel ratchet
- 22 and 23 fuse pliers:
- 22 for inner fuses
- 23 for outer fuses;
- 24 the long-nosed pliers
- 25 the torque meter
- 26 the tank cap remover
- 27 the tachometer
- 28 the brake spring pliers
- 29 the socket screw hexagon wrench
- 30 the angle screwdriver
- 31 the tyre-spreader
- 32 the engine lifting eye bolt
- 33 the thread tap and wrench
- 34 the track gauge
- 35 the spare parts trays

- 36 the petrol consumption indicator
- 37 the tool box
- 38 the battery:
- 39 the battery terminal
- 40 the filling hole
- 41 the battery box;
- 42-45 the battery-charger:
- 42 the battery charger
- 43 the hydrometer:
- 44 the float;
- 45 the bottle of distilled water;
- 46 the battery cell tester
- 47 the car jack
- 48 the tyre pump
- 49 the footpump
- 50 the grease gun
- 51 the jet-tester
- 52 the boring machine
- 53 the honing machine
- 54 the hydraulic press
- 55 the valve-grinding machine
- 56 the sparking plug (plug, *Am.* spark plug) tester and cleaner
- 57 the tyre balancing machine
- 58 the headlight beam setter
- 59 the governor-tester
- 60 the hand-operated crane:
- 61 the crane column
- 62 the crane boom;
- 63 the repair pit
- 64 the repair pit cover
- 65 the car mechanic
- 66 the mobile car jack
- 67 the fitter's trolley
- 68 the tool trolley
- 69 the cotton waste

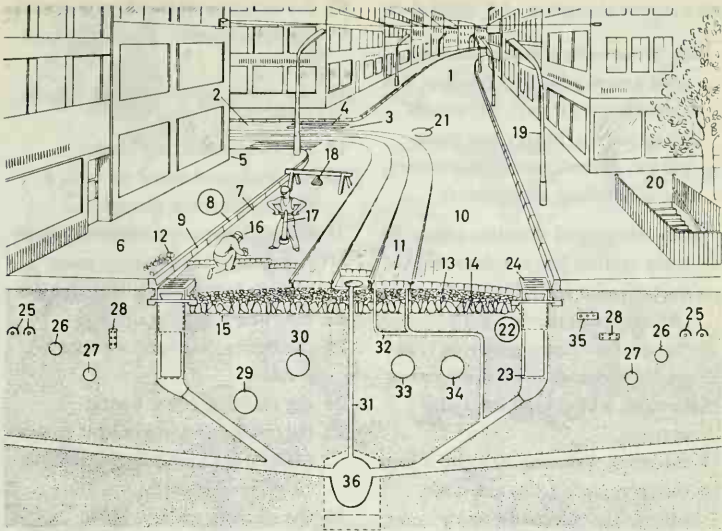




Engl. tramway = Am. generally: city traction, traction line; Engl. tramcar (tram) = Am. streetcar (trolley car, New York: surface car)

- 1 the large-capacity tram and trailer;
- 2 the tram stop post with the stop plate
- 3 the tramway passenger
- 4 the tram stop (tramway island)
- 5 the rubber-sprung (rubber suspension) bogie (*Am. truck*)
- 6 the tram trailer;
- 7 the shelter
- 8 the traction tramcar (front car, *Am. bloomer*), a one-direction traction car:
- 9 the stop light
- 10 the conductor's seat
- 11 the tram conductor
- 12 the rear boarding door
- 13 the boarding platform
- 14 the remote-controlled folding or sliding exit door
- 15-19 the pantograph (pantograph current-collector); *other system*: bow collector (bow current-collector):
- 15 the contact strip
- 16 the upper hinge
- 17 the lower hinge
- 18 the erection spring
- 19 the pivoted spring;
- 20 the blinker (*Am. flashlight*)

- 21 the driver (tram-driver, *Am. motorman*)
- 22 the tramway route number (*Am. streetcar line number*)
- 23 the route plate;
- 24 the concrete post
- 25 the electro-magnetic tramway points
- 26 the contact slider
- 27 the sliding contact
- 28 the insulating contact
- 29 the points signal lamp
- 30 the aerial (overhead) contact wire frog
- 31 the controlling magnet
- 32 the drawing magnet
- 33 the points tongue (spring tongue);
- 34 the driver's cabin:
- 35 the controller, a cam controller, *also*: electric brake
- 36 the sander (sanding gear) control
- 37 the route timekeeper
- 38 the brake lever for the compressed-air brake;
- 39 the suspension of the overhead contact wire:
- 40 the carrying cable
- 41 the suspension wire
- 42 the auxiliary wire
- 43 the contact wire
- 44 the boom
- 45 the lateral stay
- 46 the suspension insulator



- 1 the street
- 2 the side street
- 3 the pedestrian crossing (zebra crossing):
- 4 the zebra stripes;
- 5 the street corner
- 6 the pavement (paved footpath, *Am.* sidewalk, walkway)
- 7 the gutter
- 8 the kerb (curb):
- 9 the kerbstone (curbstone);
- 10 the roadway (road, carriageway)
- 11 the road surface (setts):
- 12 the sett (paving sett), a natural stone
- 13 the pitching (broken-stone layer)
- 14 the foundation (*Am.* telford base)
- 15 the bed;
- 16 the paver (paviour, pavior)
- 17 the hand-rammer
- 18 the warning sign; *here* : Danger, Men at Work!

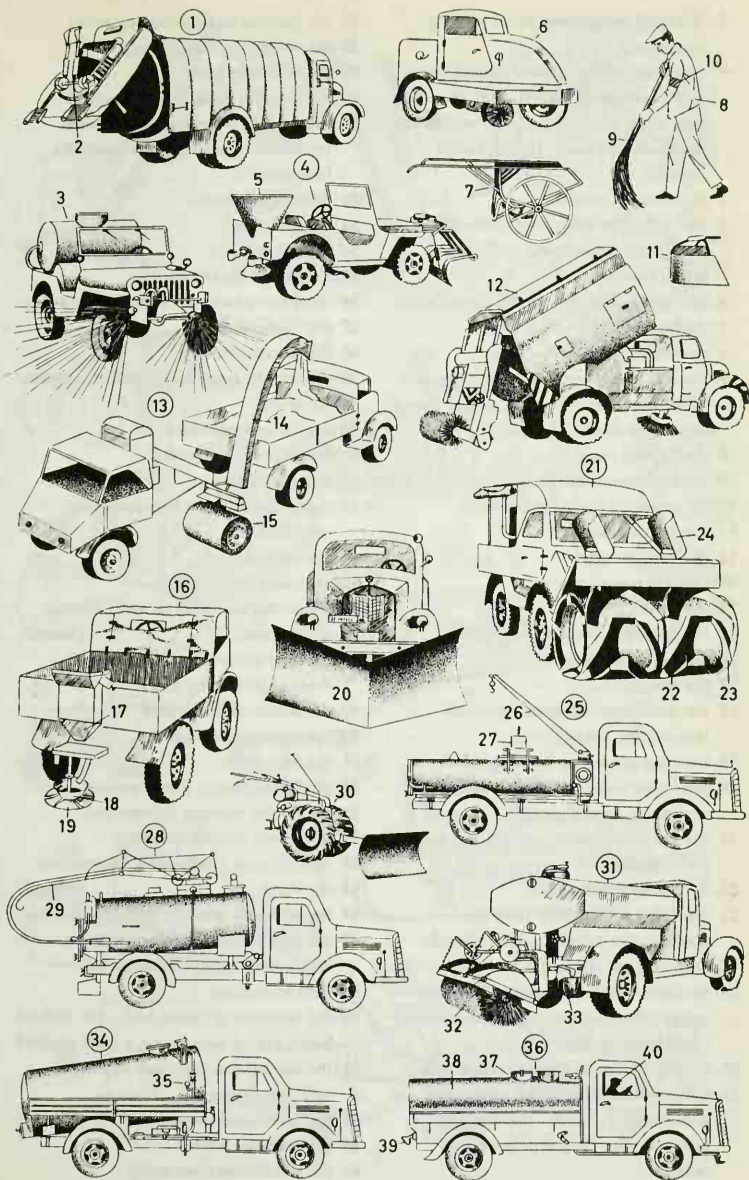
- 19 the street lamp, a neon lamp
- 20 the entrance to the underground public convenience (*Am.* washroom, rest room, *fam.* comfort station)
- 21 the manhole cover (manhole lid)
- 22 the gully with mud or grit trap:
- 23 the mud or grit trap
- 24 the grating;
- 25 the electricity cables
- 26 the gas main
- 27 the water main
- 28 the telephone cables (post office telephone cables)
- 29 the principal (leading) water main
- 30 the district heating main
- 31 the ventilation shaft
- 32 the rail drainage system
- 33 the long-distance gas main
- 34 the principal (leading) gas main
- 35 the fire brigade or police telephone cables
- 36 the sewer for sewage and surface waters (combined sewer)

Engl. snow plough = *Am.* snowplow

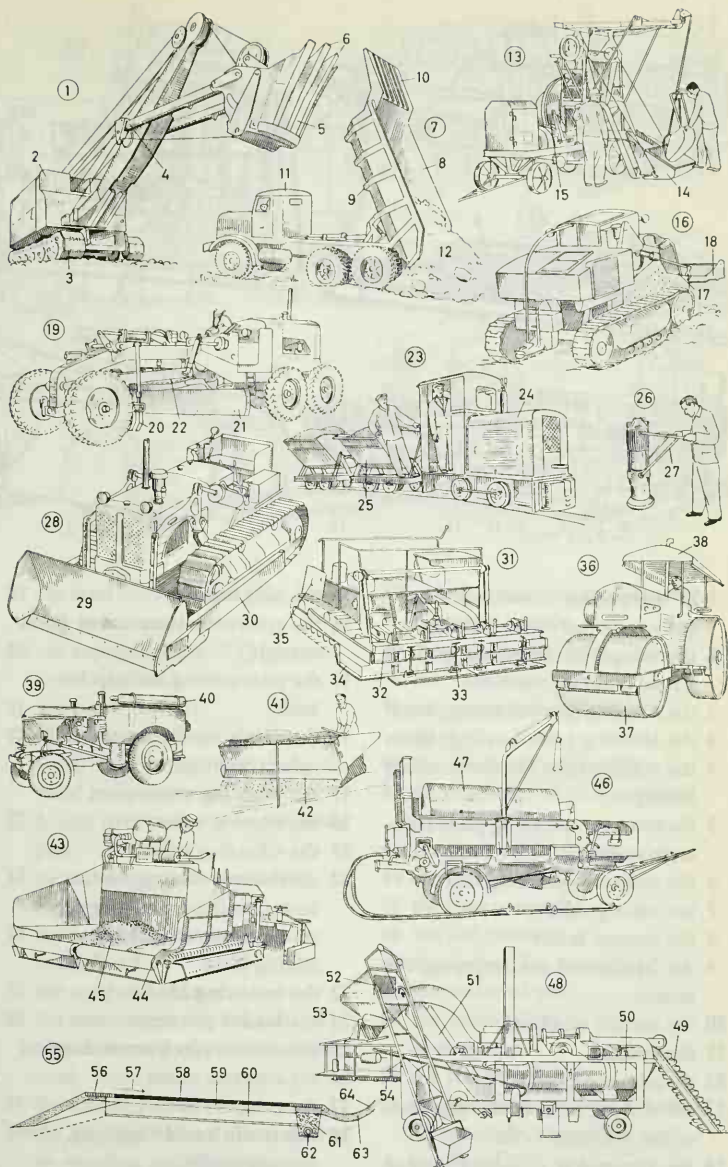
1-40 street-cleaning machines

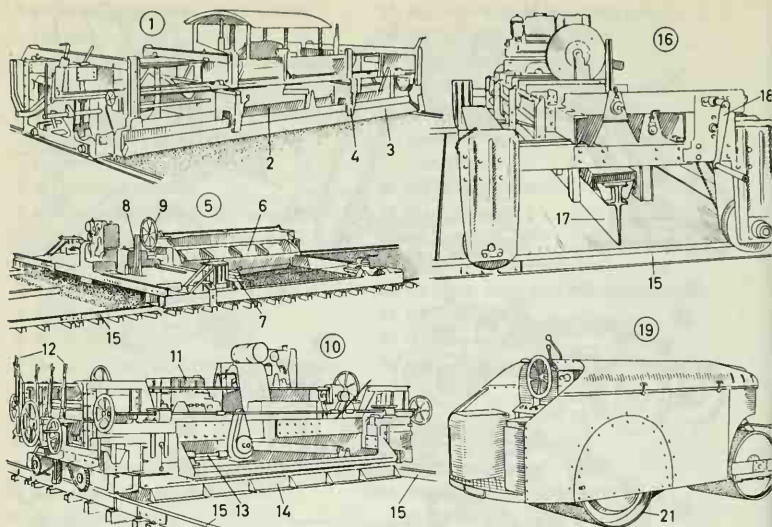
and snow ploughs (public cleansing vehicles; *Am.* street-cleansing machinery and snow-plows; snow-clearing machinery, snow-handling equipment),

- 1 the refuse and dustbin-emptying lorry (refuse lorry, refuse wagon, motor truck for refuse collection, *Am.* garbage truck):
- 2 the dustbin-tipping device (*Am.* garbage can, or ashcan, dumping device), a dust-free emptying system;
- 3 the small watering vehicle, a jeep
- 4 the pavement (*Am.* sidewalk, *Australian* : footpath) snow plough:
- 5 the sand (grit) spreader;
- 6 the three-wheeled road-sweeper
- 7 the road-sweeper's (road-cleaner's) barrow
- 8 the road-sweeper (street-sweeper, *Am.* street cleaner)
- 9 the broom
- 10 the warning armband
- 11 the dust pan
- 12 the self-loading road-sweeping machine (rotary street-sweeper, street-sweeper, mechanical road-sweeper), a tipper (tip-up lorry, *Am.* end dumping truck, dump) [in unloading position]
- 13 the snow-loader (snow-loading lorry, *Am.* snow-loading truck):
- 14 the loading vent (loading channel)
- 15 the side snow-sweeper (side unit);
- 16 the grit-spreader (sand lorry):
- 17 the sanding machine (grit-spreading attachment), a built-on sand hopper
- 18 the rotary sand-spreader (sand-spinner)
- 19 the sand-deflecting blade;
- 20 the V-shaped snow plough, a two-sided snow plough
- 21 the high-capacity highway snow-sweeper, a blower-type snow plough (snow-blowing machine):
- 22 the rotary milling drum
- 23 the cutter (hard-snow remover), a cutter
- 24 the rotating snow vents;
- 25 the crane gully and cesspit emptier (*Am.* truck; mechanical sludger or gully-emptier):
- 26 the slewing crane
- 27 the sludge bucket; [emptier:
- 28 the suction gully and cesspit
- 29 the hose frame;
- 30 the hand motor snow plough, a one-sided snow plough
- 31 the road sweeper-collector, a combined street-watering, sweeping, and washing, lorry (*Am.* truck):
- 32 the rotating wire street-sweeping brush (cylindrical brush, rotary washing brush)
- 33 the watering nozzle (washing nozzle, horizontal jet nozzle);
- 34 the sewage lorry (*Am.* truck):
- 35 the compressor vacuum pump;
- 36 the watering lorry (*Am.* sprinkling truck):
- 37 the dome with hinged lid
- 38 the water tank
- 39 the sprinkler (sprinkling device)
- 40 the watering lorry (*Am.* sprinkling truck) driver



- 1-54 road machines (road-making machines),
 - 1 the power navvy (power shovel, crane navvy, stripping shovel, *Am.* shovel-type excavator, all-purpose excavator, universal excavator, luffing-boom shovel):
 - 2 the machine housing
 - 3 the caterpillar mounting (caterpillar truck, *Am.* tracklaying craft, track-laying tractor)
 - 4 the bucket arm (dipper stick, rack arm)
 - 5 the bucket
 - 6 the bucket teeth;
 - 7 the end tipper (end-tip lorry, *Am.* end-dump truck, rear-dump truck), a heavy lorry (*Am.* heavy truck):
 - 8 the tipping body
 - 9 the reinforcement rib
 - 10 the extended front (crab guard)
 - 11 the driver's cabin;
 - 12 the bulk material
 - 13 the concrete-mixer:
 - 14 the hoisting skip
 - 15 the mixing drum, a mixing unit;
 - 16 the caterpillar scraper:
 - 17 the scraper
 - 18 the levelling (*Am.* leveling) blade (smoothing blade);
 - 19 the road-grader, *also* : soil-grader:
 - 20 the ripper (road-scarifier, tynes, *Am.* roadplow, rooter plow)
 - 21 the grader ploughshare (blade, *Am.* plow-share)
 - 22 the blade-slewing gear;
 - 23 the light railway (field railway, construction railway, *Am.* railroad; narrow-gage railroad):
 - 24 the light diesel locomotive, a narrow-gauge (*Am.* narrow-gage) locomotive (field locomotive)
 - 25 the trailer wagon (wagon truck, skip);
 - 26 the internal-combustion punner, an earth-tamper; *heavier* : detonating rammer (*Am.* frog-type jumping rammer):
 - 27 the guiding and controlling rods;
 - 28 the bulldozer (angledozer):
 - 29 the bulldozer blade
 - 30 the pushing frame (thrust frame);
 - 31 the road-metal spreading machine (macadam-spreader, stone-spreader, base-paver):
 - 32 the tamping beam
 - 33 the sole plate
 - 34 the side stop
 - 35 the side of the storage bin;
 - 36 the three-wheel road roller, a road roller:
 - 37 the road-roller
 - 38 the all-weather roof;
 - 39 the mobile diesel compressor (compressor unit):
 - 40 the oxygen cylinder;
 - 41 the chippings-spreader:
 - 42 the spreading flap;
 - 43 the tar-finisher (asphalt-surfacing machine):
 - 44 the side stop
 - 45 the material bin;
 - 46 the tar-sprayer with tar and bitumen
 - 47 the tar tank; | heater:
 - 48 the fully-automatic rolled-asphalt drying and mixing plant:
 - 49 the bucket elevator feed
 - 50 the asphalt-mixing drum
 - 51 the filler hoist
 - 52 the filler opening (feed opening)
 - 53 the binder injector (binder jet)
 - 54 the mixed-asphalt outlet;
 - 55 typical cross section of a bituminous
 - 56 the verge | road:
 - 57 the cross fall (straight fall, *Am.* banking)
 - 58 the asphalt surface (bitumen layer, bituminous layer, asphalt)
 - 59 the sub-surface
 - 60 the bottoming (metal bed, *Am.* telford base), gravel bottoming, a frost blanket
 - 61 the subsoil drainage (sub-drainage, sub-base drainage)
 - 62 the perforated cement pipe
 - 63 the drainage ditch
 - 64 the soil (humus) covering

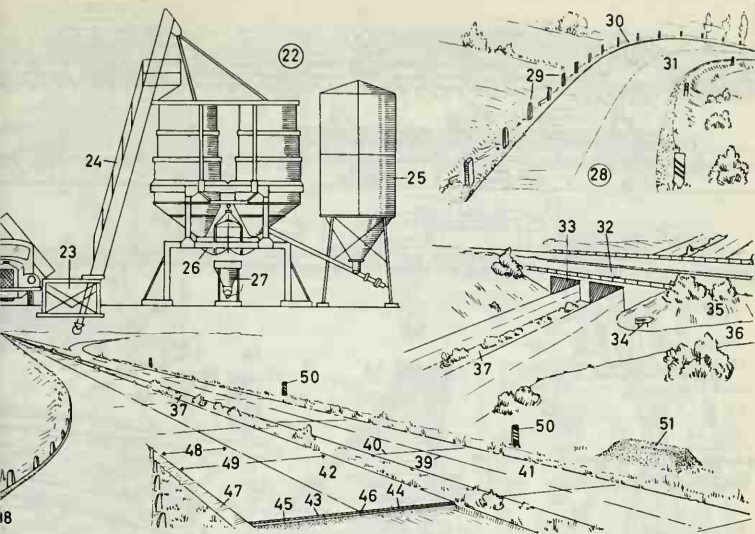




1-27 autobahn construction

(concrete-road construction),

- 1 the sub-grader (sub-base grader), a road-building machine:
- 2 the tamping (consolidating) beam
- 3 the levelling (*Am.* leveling) beam
- 4 the roller guides for the levelling beam;
- 5 the concrete-spreading plant (concrete-spreader):
- 6 the concrete-spreading box
- 7 the cable guides
- 8 the control levers
- 9 the handwheel for emptying the boxes;
- 10 the surface vibrator:
- 11 the gearing
- 12 the operating levers
- 13 the driving axle to the vibrators of the vibration beam
- 14 the smoothing (finishing) screed
- 15 the side form;
- 16 the transverse-joint cutter (joint-cutter):
- 17 the joint-cutting knife (joint knife)
- 18 the crank handle for travelling (*Am.* traveling);
- 19 the vibrating road roller:
- 20 the steering roller
- 21 the vibrating roller;
- 22 the concrete-mixing plant, a central stationary mixing depot, an automatic weighing and mixing plant:
- 23 the collecting bin
- 24 the bucket elevator
- 25 the cement silo (cement hopper)
- 26 the concrete-mixer
- 27 the concrete bucket;
- 28 the main road (highway, *Am.* country road):



29 the bend (curve) marks (*Am.* banking indicators)

30 the superelevation of the curve (banking, cant)

31 the curve (bend);

32-50 the motorway (dual motor road, dual motor way, main arterial road, super-highway):

32 bridge over motorway (*Am.* overpass)

33 motorway under bridge (*Am.* underpass)

34 the cone of the slope, 'roundhead'

35 the road embankment

36 the motorway exit (*Am.* turn-off); *sim.* motorway approach, a feeder road

37 the central reserve

38 the guiding kerb; *kinds*: cement, or wooden, guiding kerb

39 and 40 the expansion joints (concrete joints):

39 the longitudinal joint

40 the transverse joint;

41 the concrete bay (concrete slab)

42 the concrete-road surface

43-46 cross-section of a concrete road:

43 the pavement concrete

44 the frost blanket

45 the base concrete

46 the slab junction;

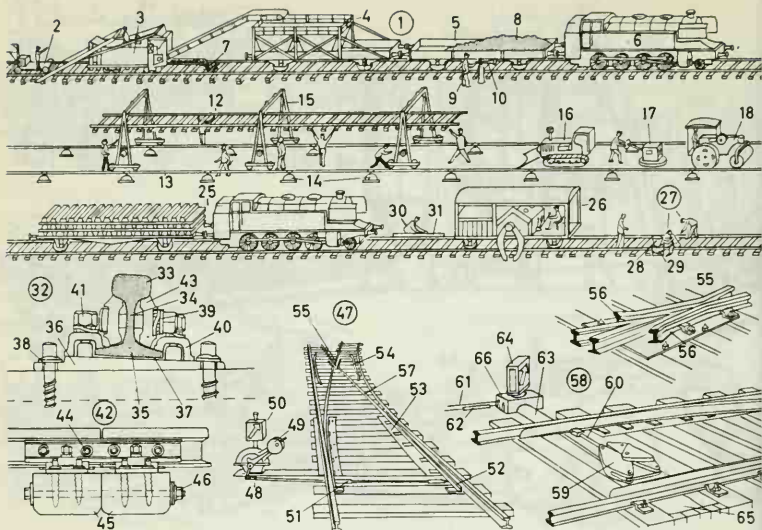
47 the verge (*Am.* shoulder)

48 the width of slab

49 the width of the carriageway

50 the junction sign;

51 the store of material (heaps of materials, chippings, and sand)



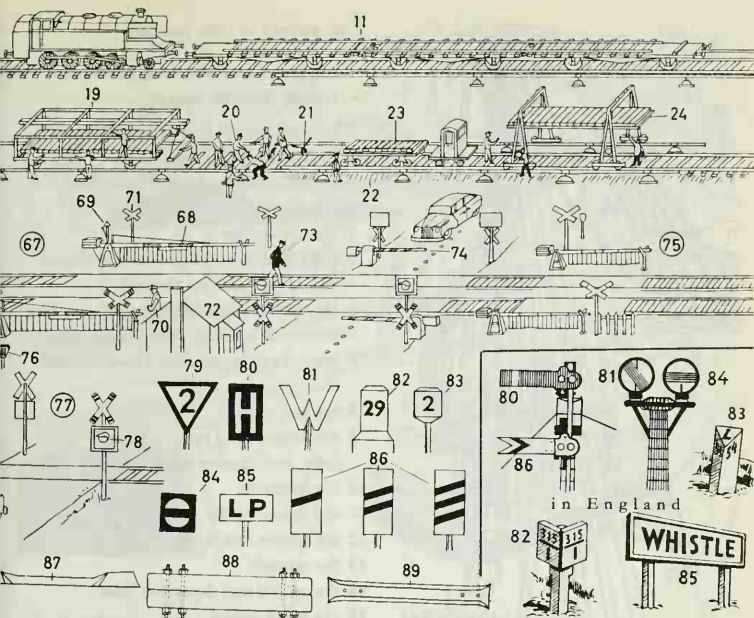
Engl. railway = Am. railroad;

Engl. sleeper = Am. tie (crosstie)

1-31 track-laying (railway construction, railway-building, track-relaying),

- 1 the track construction train:
- 2 the control truck
- 3 the ballast-washing machine
- 4 the hopper truck
- 5 the waste truck
- 6 the ballast train locomotive
- 7 the cleaned ballast (cleaned boxing)
- 8 the waste;
- 9 the lookout
- 10 the horn, a signal horn
- 11 the track-carrying train
- 12 the section of track
- 13 the temporary track rail
- 14 the gauge (Am. gage) rail chair
- 15 the travelling (Am. traveling) portal crane
- 16 the bulldozer
- 17 the vibratory ballast consolidator
- 18 the ballast-roller
- 19 the sleeper-layer
- 20 the platelayer (navvy, railway worker, Am. tracklayer, trackman, section hand, construction laborer, railroad laborer, jerry)

- 21 the rail tongs
- 22 the railway embankment
- 23 the sleeper truck
- 24 the sleeper conveyor truck
- 25 the sleeper transport (Am. transportation) train
- 26 the ballast-tamping machine
- 27 the welding team (Am. welding crew):
- 28 the thermite welding funnel
- 29 the mould (Am. mold)
- 30 the ganger (gang foreman)
- 31 the rail level;
- 32 the rail:
- 33 the rail head
- 34 the rail web
- 35 the rail bottom (rail foot)
- 36 the sole plate (base plate, Am. base)
- 37 the washer
- 38 the sole plate (base plate) screw
- 39 the spring washer
- 40 the clip
- 41 the hook bolt;
- 42 the rail joint:
- 43 the rail fish-plate (Am. joint bar)
- 44 the fish bolt
- 45 the coupled sleeper
- 46 the coupling bolt;
- 47 the hand-operated (manually operated) point or switch:



- 48 the hand switch box
- 49 the switch weight
- 50 the switch signal (switch lamp)
- 51 the stretcher bar
- 52 the switch toe (switch tongue, switch blade)
- 53 the slide chair (slide plate)
- 54 the inner check rail
- 55 the frog
- 56 the wing rail
- 57 the closure rail;
- 58 the remote-controlled point (remote-controlled switch):
- 59 the point lock (switch lock)
- 60 the stretcher bar
- 61 the wire pull
- 62 the turnbuckle
- 63 the wire pull cover
- 64 the electric points lamp
- 65 the point trough (switch trough)
- 66 the point drive (switch drive) with protective casing;

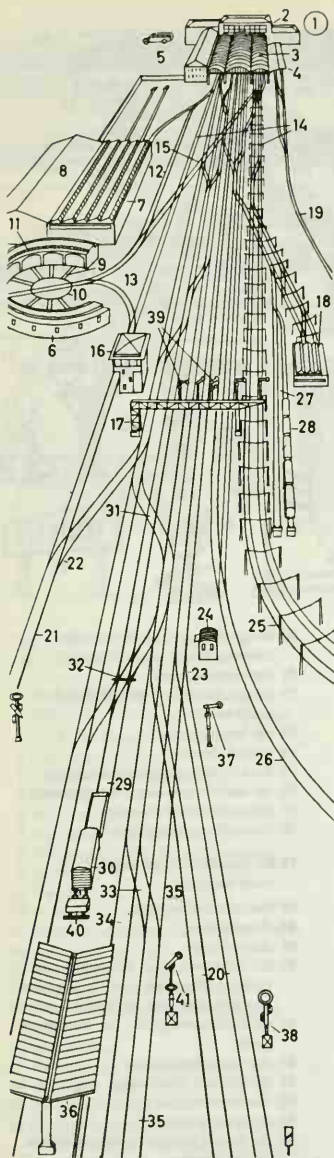
67-78 level crossings (*Am. crossings at grade, grade crossings*):

- 67 the level crossing (*Am. crossing at grade, grade crossing*)
- 68 the barrier, a lattice barrier (gate barrier)
- 69 the preliminary signal bell

- 70 the gatekeeper (signalman, *Am. crossing watchman, watchman*)
- 71 the warning cross
- 72 the gatekeeper's (*Am. watchman's*) cabin or box
- 73 the line inspector
- 74 the half-barrier
- 75 the microphone-operated barrier:
- 76 the electric speaking-tube appliance;
- 77 the unprotected crossing;
- 78 the traffic warning light;

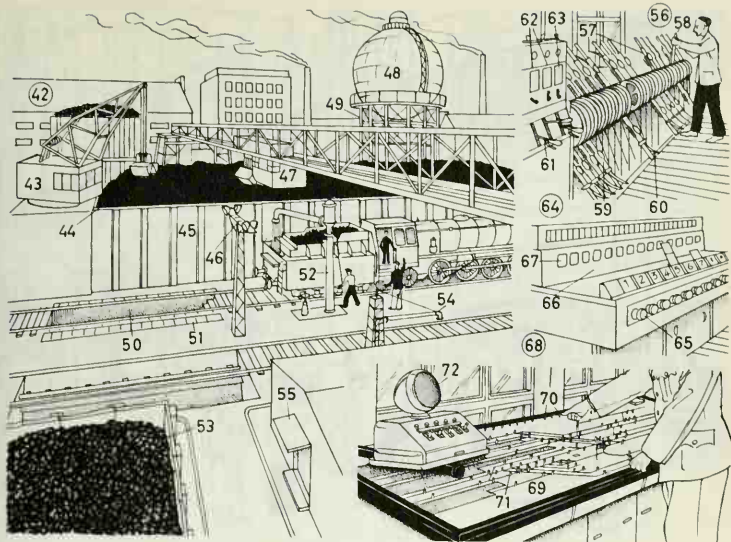
79-86 running-track signs (*Am. track targets*):

- 79 the reduce-speed sign
- 80 the stop sign
- 81 the wait sign
- 82 the kilometre (*Am. kilometer*) post (railway kilometre post, *in Engl. railway milepost, Am. railroad milepost*)
- 83 the hectometre post (*Am. hectometer post*)
- 84 the track-closed sign
- 85 the bell and whistle sign
- 86 the distant-signal signs;
- 87 the concrete sleeper
- 88 the double sleeper (wooden sleepers, timber sleepers)
- 89 the steel sleeper



Engl. railway = Am. railroad

- 1 the terminus (terminal, dead-end station, terminal station);
- 2 the station building
- 3 the roofed platforms;
- 4 the local railway station (suburban terminal railway station)
- 5 the bus station
- 6 and 7 the railway repair shops (repair sheds, maintenance shops);
- 6 the circular shed (engine shed, locomotive shed, rotunda, Am. roundhouse)
- 7 the railway repair shop (Am. railroad shop);
- 8 the bus garage
- 9 the engine shed turntable roads (Am. roundhouse tracks)
- 10 the turntable
- 11 the smoke outlet
- 12 the engine line or spur
- 13 the triangle
- 14 the arrival and departure lines
- 15 the set of points
- 16 the central signal box (Am. main switch tower)
- 17 the signal gantry
- 18 the electric locomotive shed
- 19 the suburban railway, a local railway
- 20 the double-track main line (main line, Am. trunk line)
- 21 the engine line
- 22 the connection
- 23 the diverging junction
- 24 the junction signal box (Am. switch tower)
- 25 the electrified main line
- 26 the single-track main line
- 27 the siding
- 28 the train of empty stock (Am. of cars)
- 29 the siding
- 30 the station car
- 31 the crossover
- 32 the diamond crossing
- 33 the connection



- 34 the suburban line (by-pass line)
- 35 the main through-line (*Am.* thru line)
- 36 the through station (*Am.* thru station)
- 37 the home signal
- 38 the distant signal (advance signal)
- 39 the stop signal
- 40 the buffer stop
(*Am.* bumping post)
- 41 the block signal with outer home signal
- 42 the coaling plant:
- 43 the coaling crane
- 44 the coal bunker
- 45 the bunker wall
- 46 the set of floodlights
- 47 the travelling (*Am.* traveling) crane;
- 48 the elevated water tank
- 49 the framework substructure
- 50 the inspection pit
- 51 the ash-unloading pit
- 52 the water column
- 53 the ash bunker (slag bunker)
- 54 the sand-feeder
- 55 the railway foreman's office

56-72 signal plants,

- 56 the manual signal box (manual signal cabin, *Am.* switch tower):
- 57 the levers
- 58 the switch lever (points lever, change lever) [blue], a locking lever
- 59 the signal lever [red]
- 60 the trigger
- 61 the running-line lever
- 62 the block instruments
- 63 the block section panel;
- 64 the electrically operated signal box
(*Am.* switch tower):
- 65 the switch and signal knobs
- 66 the interlocking board
- 67 the control panel;
- 68 the track diagram:
- 69 the switch table
- 70 the press buttons
- 71 the tracks
- 72 the two-way speaking appliance



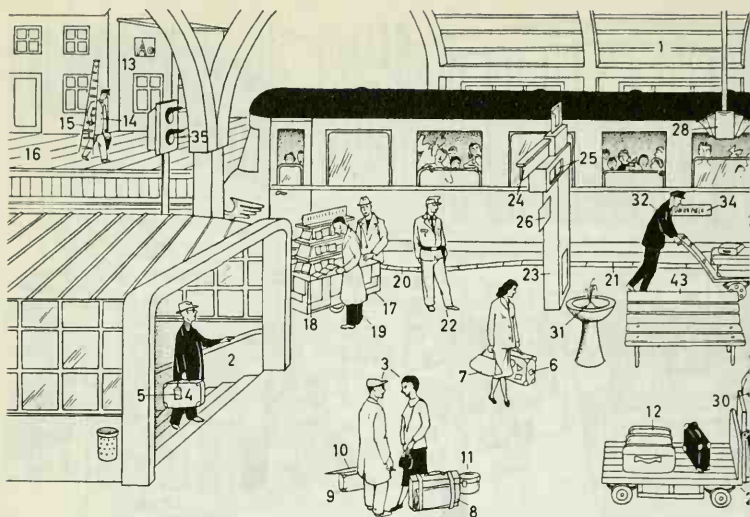
Engl. railway station = *Am.* railroad station (station depot)

- | | |
|---|--|
| <i>Engl.</i> railway station = <i>Am.</i> railroad station (station depot) | 16 the timetable (<i>Am.</i> schedule) drum |
| 1 the parcels office: | 17 the hotel porter (<i>Am.</i> baggage man) |
| 2 the parcels | 18 the train and platform indicator: |
| 3 the parcels label; | 19 the arrival timetable (<i>Am.</i> arrival schedule) |
| 4 the luggage (<i>Am.</i> baggage) office (luggage in-and-out counter): | 20 the departure timetable (<i>Am.</i> departure schedule); |
| 5 the weighing-machine | 21 the luggage (<i>Am.</i> baggage) lockers for self-service |
| 6 the cabin trunk (<i>Am.</i> large suitcase) | 22 the platform-ticket machine |
| 7 the luggage label case) | 23 the platform tunnel with barrier |
| 8 the luggage (<i>Am.</i> baggage) receipt | 24 the ticket-collector's box |
| 9 the luggage (<i>Am.</i> baggage) clerk; | 25 the ticket collector (<i>Am.</i> gateman, <i>pop.</i> chopper) |
| 10 the appointment (<i>Am.</i> date) book | 26 the bookstall (station book kiosk, <i>Am.</i> bookstand, news-stand) |
| 11 the shoeblack (shoe-cleaner, <i>Am.</i> bootblack, <i>Am. pop.</i> shoe-shine boy) | 27 the left-luggage office (cloak-room; left-luggage deposit, and withdrawal, office; <i>Am.</i> checking office, checkroom) |
| 12 the shoe-cleaning (<i>Am.</i> shoe-shining) stool (shoe-cleaning foot-rest) | |
| 13 the station restaurant | |
| 14 the waiting room | |
| 15 the map of the town | |

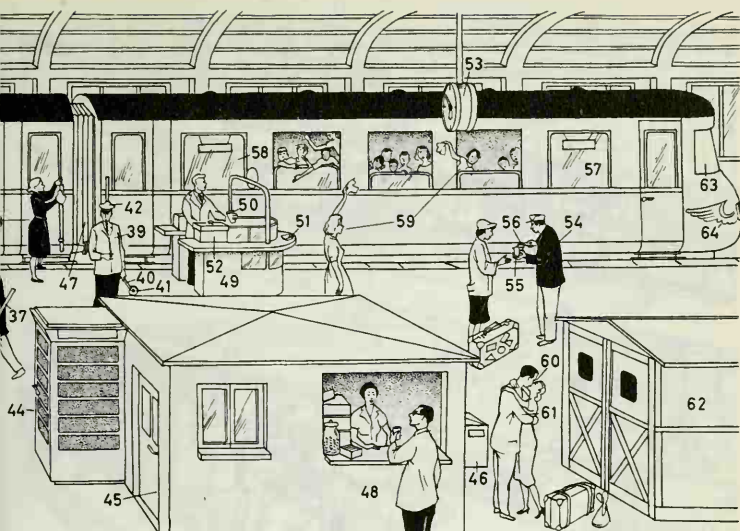


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|---|---|
| 28 the accomodation bureau | 42 the rotating prism |
| 29 the information office (inquiry office, <i>Am.</i> information bureau) | 43 the hand-operated ticket-printer |
| 30 the station clock, a master clock | 44 the pocket timetable (<i>Am.</i> pocket train schedule) |
| 31 the exchange office | 45 the luggage rest (<i>Am.</i> baggage rest); |
| 32 the wall timetable (line timetable, <i>Am.</i> wall schedule, line schedule) | 46 the telephone kiosk |
| 33 the diagrammatic map (<i>Am.</i> rail-road network map) | 47 the tobacconist's kiosk (<i>Am.</i> tobacco kiosk) |
| 34 the booking office: | 48 the florist's kiosk (<i>Am.</i> flower kiosk) |
| 35 the ticket office | 49 the information official |
| 36 the ticket (railway ticket, <i>Am.</i> railroad ticket, one-way ticket) | 50 the official railway guide or timetable (<i>Am.</i> train schedule, rail-road schedule) |
| 37 the turning tray (money tray) | 51 the board to indicate delayed trains |
| 38 the speaking window membrane (speaking membrane) | 52 the station post box, an area letter box (<i>Am.</i> mail box) |
| 39 the booking clerk (ticket clerk, <i>Am.</i> ticket agent) | 53 the station mission |
| 40 the ticket-printing machine (ticket-stamping machine) | 54 the first-aid station (ambulance station) |
| 41 the illuminated desk scale | |

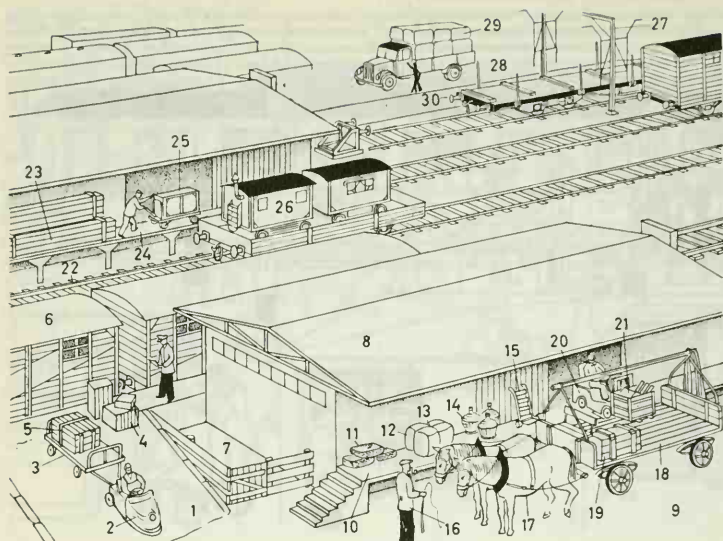
201 The Station Platform



- 1 the platform roofing
- 2 the platform stairway from the platform tunnel (*Am.* platform underpass)
- 3 the passengers
- 4-12 luggage (*Am.* baggage):
- 4 the suitcase
- 5 the label
- 6 the hotel labels
- 7 the travelling (*Am.* traveling) bag (hand bag, *Am.* satchel, valise, grip, gripsack)
- 8 the travelling (*Am.* traveling) rug (*Am.* lap robe, *also* : car rug, car wrap)
- 9 the dressing case (vanity bag, vanity case)
- 10 the umbrella with case (with umbrella case)
- 11 the hat box
- 12 the cabin trunk (*Am.* large suitcase);
- 13 the duty annex
- 14 the carriage-cleaner (*Am.* railroad car cleaner)
- 15 the cleaner's ladder
- 16 the concourse (platform next to the station building)
- 17 the news trolley
- 18 the reading matter (*Am.* transient literature) for the journey
- 19 the newsvender (news vendor, *Am.* newsagent, newsdealer)
- 20 the level crossing
- 21 the platform edge
- 22 the railway (*Am.* railroad) policeman
- 23 the train indicator
- 24 the destination board
- 25 the departure indicator
- 26 the arrival indicator
- 27 the passenger train, a railcar (*Am.* power railroad train, motor railcar, diesel electric railcar)
- 28 the platform loudspeaker
- 29 the electric platform truck
- 30 the luggage (*Am.* baggage) official
- 31 the drinking fountain



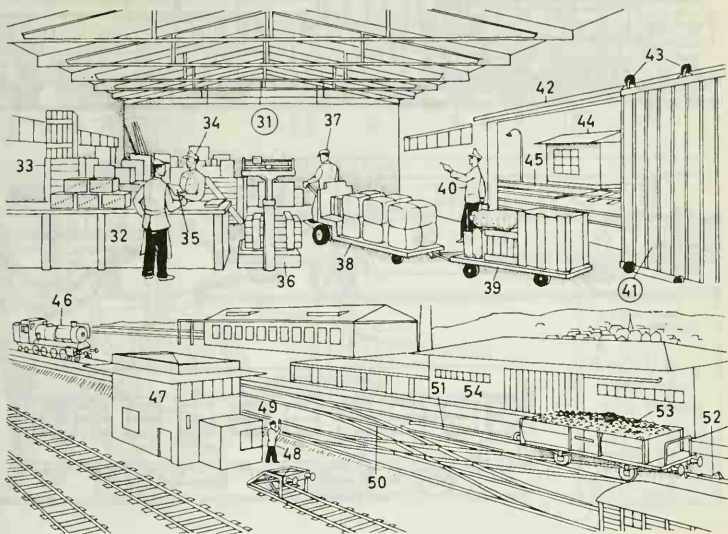
- 32 the porter (*Am.* carrier, redcap)
 33 the luggage (*Am.* baggage) barrow
 34 the route and destination plate
 35 the starting signal, a daylight signal
 36 the carriage and wagon examiner
 37 the wheel-testing hammer (long-handled hammer)
 38 the travelling cleaner
 39 the inspector (or foreman)
 40 the signal stick [in England: signal flag]
 41 the signal disk or disc [in darkness a lamp]
 42 the red cap
 43 the platform seat
 44 the platform telephone kiosk
 45 the duty room (the porters' room)
 46 the platform post box (platform pillar box, *Am.* platform mail box)
 47 the gangway
 48 the platform refreshment stall for refreshments and food (*Am.* commissaries) for the journey
 49 the refreshment trolley (*Am.* pop. dogwagon)
 50 the paper cup
 51 the paper plate
 52 the hot-plate
 53 the platform clock
 54 the guard (train guard, *Am.* conductor, train conductor)
 55 the book of tickets (circular-ticket book, tourist's ticket book, *Am.* round-trip ticket) with tickets
 56 the ticket and date punch (ticket punch)
 57 the guard's compartment
 58 the compartment for women and children only
 59 leave-taking
 60 the kiss
 61 the embrace
 62 the luggage lift (*Am.* baggage elevator)
 63 the driver's (*Am.* engineer's) cab
 64 the winged wheel (symbol of the railways. *In Engl.* the lion)



Engl. goods station = Am. freight depot

- 1 the inclined approach or ramp; *sim.*
- 2 the electric tractor [cattle ramp]
- 3 the electric tractor trailer
- 4 single consignments (*Am. carload, C. L.*); in *collective (combination) transport*: collective (combination) consign-
- 5 the metal strapping [ment or shipment]
- 6 the goods van
- 7 the small-cattle pen, a cattle pen
- 8 the goods shed (freight shed, *Am. freight depot*)
- 9 the loading driveway (*Am. approach for trucks*)
- 10 the goods-shed platform (loading platform)
- 11 the fruit, or vegetable, basket, a wicker
- 12 the bale [basket]
- 13 the roping (cording or strapping)

- 14 the demijohn (carboy, wicker-covered bottle)
- 15 the sack barrow (sack truck)
- 16 the carter (carrier, wagoner)
- 17 the draught (cart) horse (*Am. draft horse*), a draught animal (*Am. draft animal, drafter, draughter*)
- 18 the carrier's cart (delivery cart), a freight wagon for the goods delivery service
- 19 the crate
- 20 the fork truck (fork lift)
- 21 the fork carriage
- 22 the shed siding
- 23 bulky goods
- 24 the shed platform (side platform, loading and unloading platform)
- 25 the railway-owned (*Am. railroad-owned*) or supplied small container, a small wheeled container, a forwarding container (*Am. tote box*)



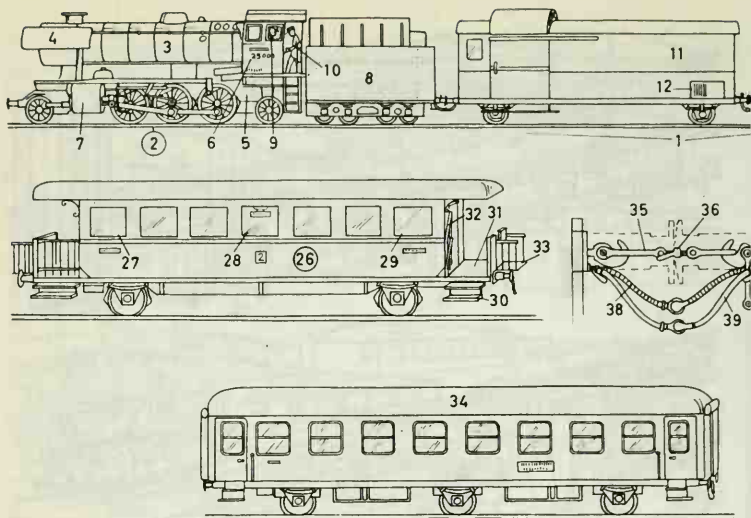
- 26 the showman's caravan
- 27 the loading gauge (*Am. gage*)
- 28 the loading dock
- 29 the bales of straw
- 30 the bogie bolster wagon
- 31 the goods shed (*Am. freight depot*):
- 32 the public counter (*Am. freight agency*)
- 33 the goods (freight)
- 34 the goods clerk (goods-shed foreman)
- 35 the waybill (consignment note)
- 36 the platform weighing machine
- 37 the goods porter
- 38 the electric truck, a platform truck
- 39 the electric truck trailer
- 40 the foreman;

- 41 the sliding door:
- 42 the roller rail
- 43 the rollers;

44-54 the marshalling yard (shunting yard, sidings):

- 44 the rail weighbridge office
- 45 the rail weighbridge
- 46 the shunting engine (shunting locomotive, *Am. switcher*)
- 47 the control cabin (*Am. switch tower*)
- 48 the yardmaster
- 49 the hump (*Am. double incline*)
- 50 the scissor crossing (*Am. switching track*)
- 51 the retarder
- 52 the slipper
- 53 the wagon load (*Am. carload, haul*)
- 54 the warehouse

203 Railway Vehicles (Rolling Stock) I



Engl. railway = Am. railroad; Engl. railway coach, railway carriage = Am. railroad car

1 the passenger train (slow train, stopping train, *Am.* local train, accomodation train, way train, jerkwater train),

2 the passenger train (*Am.* local train) engine or locomotive (engine, loco), a steam locomotive:

3 the boiler

4 the wind guide

5 the firebox

6 the locomotive number and series number

7 the cylinder

8 the tender;

9 and 10 the engine crew (engine staff):

9 the engine (locomotive) driver (*Am.* engineer)

10 the fireman (*Am.* stoker);

11 the passenger train luggage van (*Am.* baggage car)

12 the dog box

13 the guard (*Am.* conductor, head guard)

14 the red patent-leather strap

15 the railway cap

16 the signalling (*Am.* signaling) whistle, a trilling whistle

17 the guard (train guard)

18 the railway post:

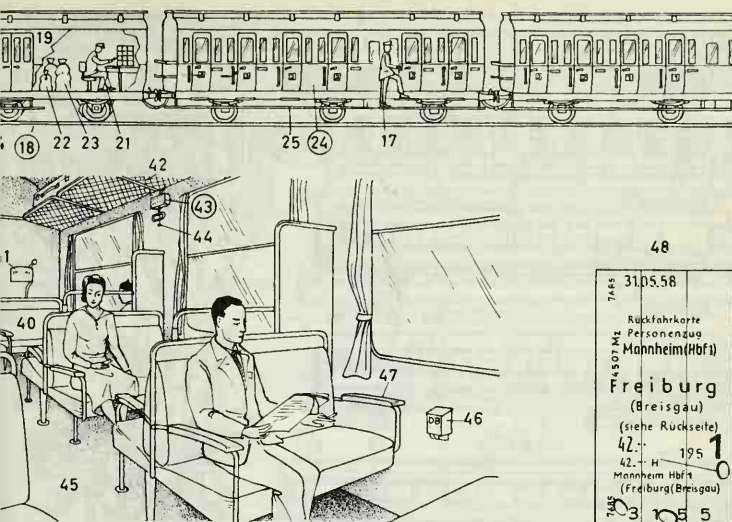
19 the post office sorting carriage (*Am.* railroad mail car)

20 the letter slot (train letter-box slot, *Am.* train mail box slot)

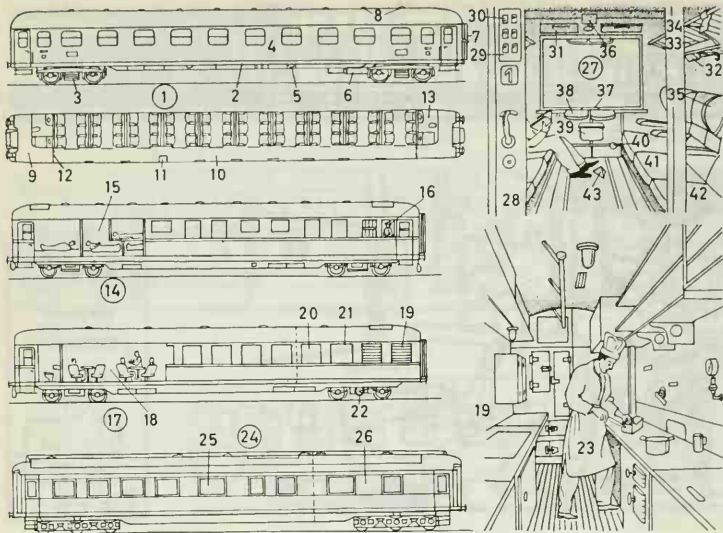
21 the railway post official

22 the bag of letter mail

23 the bag of parcels mail;



- 24 the non-gangwayed compartment coach;
- 25 the continuous footboard or step;
- 26 the 2nd class passenger coach (*Am.* passenger car), an open-platform coach;
- 27 the smoking compartment (*pop.* smoker)
- 28 the compartment reserved for disabled persons
- 29 the non-smoking compartment (*pop.* non-smoker)
- 30 the footboard (step)
- 31 the open platform
- 32 the folding trellis gate
- 33 the folding gangway plate;
- 34 the light-alloy (light-metal) passenger coach
- 35 the coupling link
- 36 the tightening screw (coupling screw with turning lever)
- 37 the loose coupling
- 38 the steam heater flexible hose
- 39 the vacuum brake flexible hose;
- 40–47 the interior of the coach:
- 40 the seat with plastic upholstery
- 41 the heating regulator for regulating the temperature
- 42 the luggage rack (*Am.* baggage net, baggage rack)
- 43 the communication cord;
- 44 the seal;
- 45 the central corridor (central gangway)
- 46 the lidded ashtray
- 47 the arm-rest;
- 48 the ticket (railway ticket), a return ticket (*Am.* round-trip ticket)

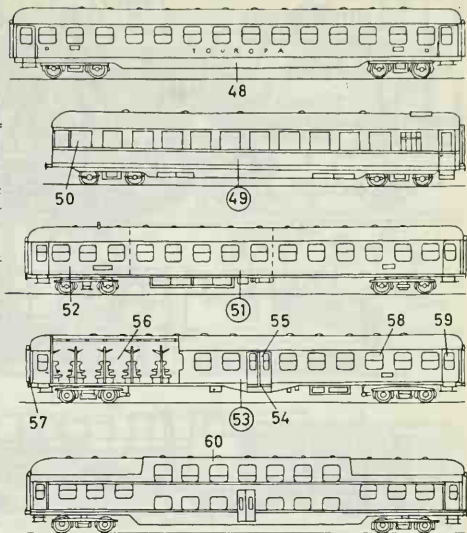
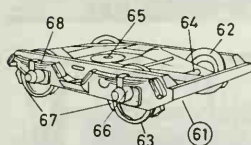
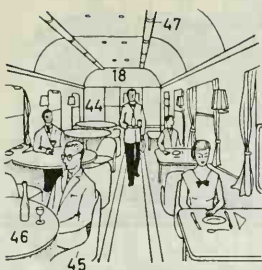


Engl. railway = Am. railroad; Engl. coach = Am. car

1 the express train passenger coach

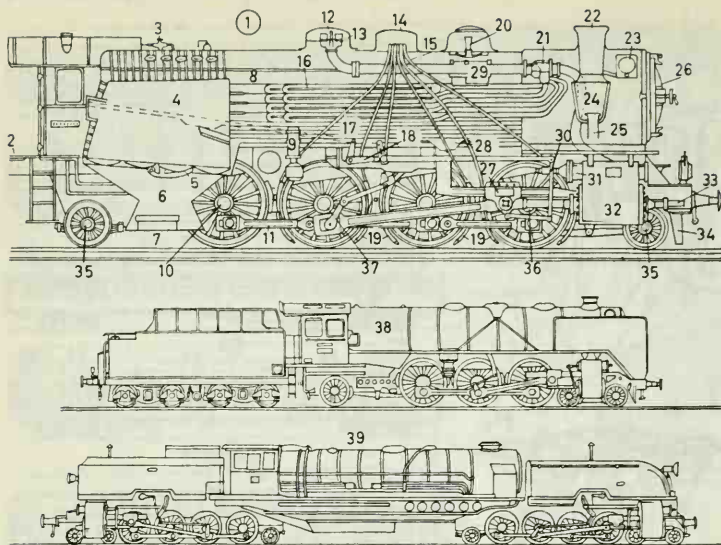
(gangwayed corridor compartment coach); *Am. vestibule train (through-train) passenger car (vestibule car, vestibuled car):*

- 2 the frame (underframe)
- 3 the bogie (*Am. truck*)
- 4 the coach body
- 5 the pneumatic brake cylinder
- 6 the electric generator
- 7 the gangway
- 8 the ventilation, a ventilator
- 9 the vestibule
- 10 the side corridor
- 11 the tip-up seat
- 12 the swing door
- 13 the lavatory (*Am. train toilet or washroom*);
- 14 the sleeping car (sleeper):
- 15 the sleeping berth (*Am. section; for one person: roomette*)
- 16 the sleeping car (sleeper) attendant;
- 17 the dining car (restaurant car, *Am. diner*):
- 18 the dining compartment (restaurant compartment)
- 19 the pantry
- 20 the office
- 21 the train kitchen (coach kitchen)
- 22 the dynamo for generating current independently;
- 23 the chef (train cook)
- 24 the entertainment car (dancing car, cinema car):
- 25 the large compartment (lounge, dance floor)
- 26 the bar compartment (train bar);
- 27 the compartment (train compartment; *form. coupé*):
- 28 the sliding compartment door
- 29 the number plate for marking the occupied seats
- 30 the sign for the occupied seats
- 31 the ventilator
- 32 the reading light
- 33 the luggage (*Am. baggage*) rack
- 34 the label for reserved seats



- 35 the adjustable head rest
- 36 the emergency brake
- 37 the warning notice ['Do not lean out of the window']
- 38 the collapsible table
- 39 the waste box
- 40 the heat regulator
- 41 the extendible upholstered seat
- 42 the corner seat
- 43 the foot rail (foot-rest);
- 44 the dining car (*Am. diner*) head-waiter
- 45 the revolving dining chair
- 46 the oval table
- 47 the fluorescent tube
- 48 the Touropa long-distance coach with reclining chairs, barber's (*Am. barber*) compartment, and lavatories, a reclining-chair coach
- 49 the saloon car (*Am. parlor car*, drawing-room car, chair car, Pullman):
- 50 the saloon, an observation lounge (solarium lounge) or conference room (meeting room);
- 51 the kitchen car:

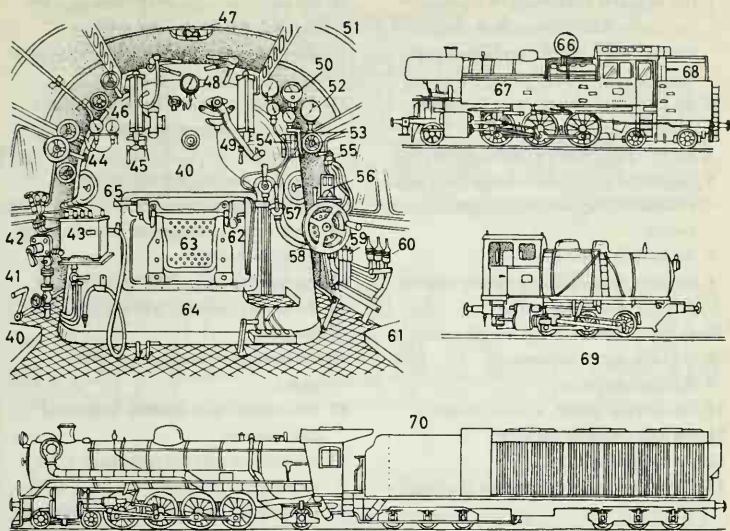
- 52 the dining compartment (restaurant compartment);
- 53 the rapid interurban coach;
- 54 the rubber packing roll
- 55 the two-door centre (*Am. center*) entrance
- 56 the open compartment (high-capacity compartment)
- 57 the connecting gangway
- 58 the sash window, a draught-free (*Am. draft-free*) window
- 59 the single-door end entrance;
- 60 the double-decker passenger coach
- 61 the bogie (*Am. truck*),
- 62-64 the wheel set with axle:
- 62 the coach wheel
- 63 the wheel flange (flange)
- 64 the axle shaft;
- 65 the bogie (*Am. truck*) pin hole (bogie centre pin hole, *Am. center pin hole*)
- 66 the axle bearing (*Am. journal box*) with axle lubricator
- 67 the brake shoes
- 68 the axle suspension spring



*Engl. railway = Am. railroad, Engl.
gauge = Am. gage*

- 1 the steam locomotive (steam railway engine, piston engine, engine), a friction engine (adhesion engine),
- 2-37 the locomotive boiler and locomotive driving gear:
- 2 the tender fall plate with coupling
- 3 the safety valve for steam over-pressure
- 4 the firebox
- 5 the dump (drop) fire bars
- 6 the ash-pan with ventilation
- 7 the ash pan drop bottom
- 8 the flue (smoke) tubes
- 9 the feed-water pump
- 10 the axle (*Am.* journal) bearing
- 11 the connecting rod
- 12 the steam dome
- 13 the steam regulator
- 14 the sand box

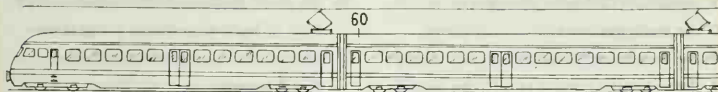
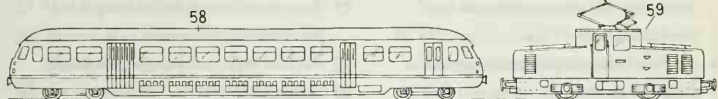
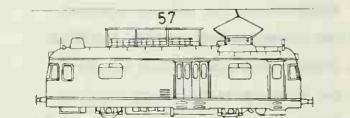
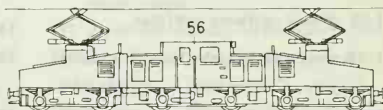
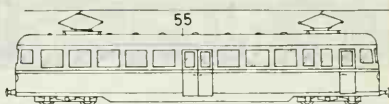
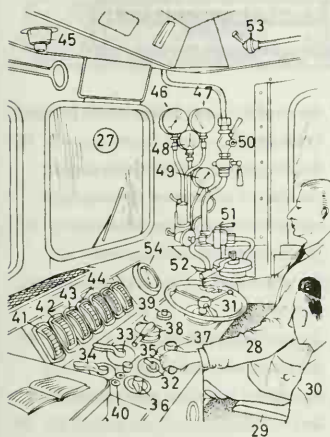
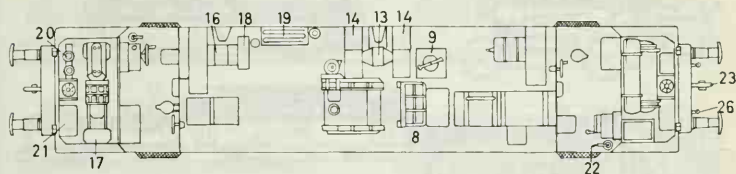
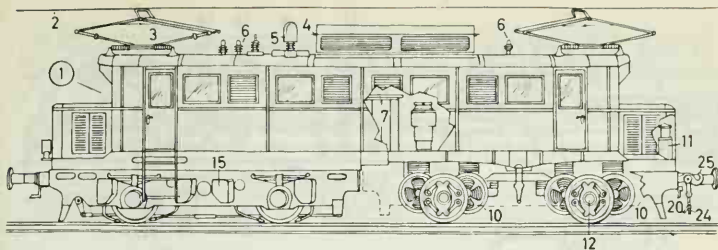
- 15 the sand tubes
- 16 the boiler barrel (boiler shell, boiler casing)
- 17 the fire (boiler) tubes
- 18 the steam-reversing gear
- 19 the pneumatic sanding gear
- 20 the feed valve
- 21 the steam collection box
- 22 the chimney (smoke outlet and waste-steam exhaust)
- 23 the feed-water pre-heater (surface pre-heater)
- 24 the spark-arrester (spark plate)
- 25 the blast pipe
- 26 the smoke box door
- 27 the crosshead
- 28 the mud collector
- 29 the filtering sheet of the feed-water cleaner
- 30 the combination lever
- 31 the steam chest
- 32 the steam cylinder (stuffing box)
- 33 the piston rod (extension)

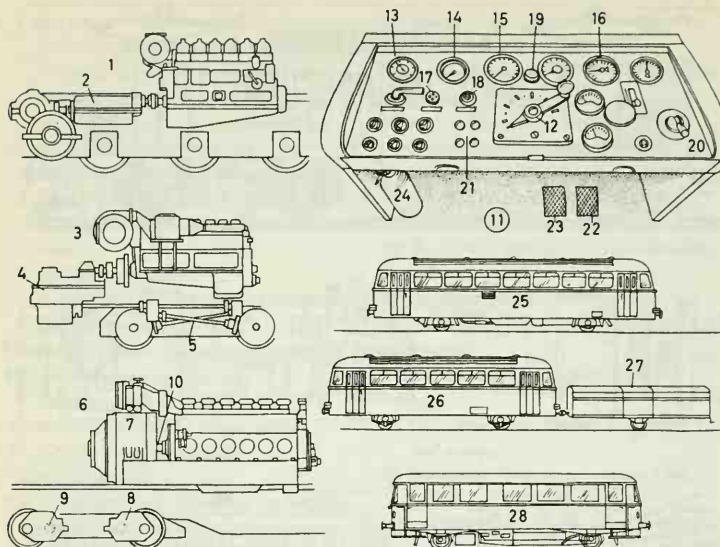


- | | |
|--|---|
| 34 the rail guard (fender, life guard, cow-catcher, <i>Am.</i> locomotive pilot) | 53 the steam whistle cock |
| 35 the carrying axle | 54 the engine-driver's timetable (<i>Am.</i> schedule) |
| 36 the coupled axle | 55 the driver's brake valve |
| 37 the driving axle; | 56 the tachograph (recording tachometer, registering tachometer) |
| 38 the express tender locomotive | 57 the cock to sand-sprayer |
| 39 the Mallet-type (articulated) locomotive | 58 the reversing screw, <i>at the same time</i> : steering wheel |
| 40-65 the steam-locomotive driver's cab: | 59 the emergency brake valve |
| 40 the fireman's seat | 60 the release (discharging) valve |
| 41 the drop fire-bars crank | 61 the steam-engine driver's seat |
| 42 the live steam injector | 62 the anti-dazzle shield |
| 43 the automatic lubricant pump | 63 the firebox door (fire door) |
| 44 the pre-heater pressure gauge or manometer | 64 the firebox |
| 45 the heating pressure gauge | 65 the fire door handle; |
| 46 the water gauge | 66 the tank locomotive: |
| 47 the light | 67 the water tank |
| 48 the boiler pressure gauge | 68 the fuel tender; |
| 49 the regulator handle (steam cut-off, <i>Am.</i> steam gate valve) | 69 the steam accumulator locomotive (<i>Am.</i> steam battery locomotive; fireless works locomotive) |
| 50 the telethermometer | 70 the condenser locomotive |
| 51 the locomotive-driver's cab roof | |
| 52 the brake pressure gauge | |

206 Railway Vehicles (Rolling Stock) IV

- 1 the electric locomotive (conductor engine, electric standard-gauge locomotive, *Am.* conventional-gage locomotive):
- 2 the overhead contact wire (aerial line, overhead line)
- 3 the current collector (pantograph)
- 4 the main switch, an oil break switch (oil switch) or compressed-gas switch
- 5 the lead-in insulators
- 6 the roof disconnecting switch (disconnecting isolating switch)
- 7 the transformer (main transformer)
- 8 the cam-operated controls
- 9 the fine regulator
- 10 the driving motor, a frame motor
- 11 the axle-pressure equalizer
- 12 the toggle link
- 13 the brake motor (motor for the brake-lifter)
- 14 the brake-lifter
- 15 the sander (sanding gear)
- 16 the motor ventilator
- 17 the motor air pump (air compressor)
- 18 the transformer ventilator
- 19 the spiral oil coolers (coil oil coolers)
- 20 the air suction filter
- 21 the commutating resistors (reversing resistors, commutating rheostats, reversing rheostats)
- 22 the driver's brake valve
- 23 the locomotive coupling
- 24 the screw coupling
- 25 the draw hook (*Am.* drag hook)
- 26 the brake air cock;
- 27 the electric locomotive driver's cab or cabin:
- 28 the electric locomotive driver
- 29 the electric locomotive driver's seat
- 30 the electric locomotive driver's assistant
- 31 the controller handwheel
- 32 the switch step indicator (controller switch indicator)
- 33 the commutator switch (change-over switch)
- 34 the motor ventilator switch (ventilator switch)
- 35 the security control key (dead-man's button, dead-man's handle, safety contact)
- 36 the train heating system switch
- 37 the air compressor switch
- 38 the driver's pantograph valve (current collector valve)
- 39 the quick-acting circuit-breaker
- 40 the sander control (sanding gear control)
- 41 the heating tension gauge (*Am.* gage)
- 42 the contact wire tension (overhead line tension)
- 43 the contact wire current gauge (*Am.* gage)
- 44 the driving motors' traction power gauge (*Am.* gage)
- 45 the buzzer (warning signal)
- 46 the main air pipe (brake pipe) manometer
- 47 the auxiliary air container manometer
- 48 the main air container manometer
- 49 the locomotive brake cylinder manometer
- 50 the air whistle lever
- 51 the additional brake cock
- 52 the driver's brake valve for the automatic train brake
- 53 the main-switch hand release lever
- 54 the speed gauge (*Am.* speed gage; speed indicator, speedometer);
- 55 the electric rail coach (*Am.* railcar) with pantograph
- 56 the electric open-cast excavation locomotive
- 57 the overhead-wire examination wagon, a tower wagon
- 58 the battery railcar
- 59 the electric shunting locomotive
- 60 the electric three-car train





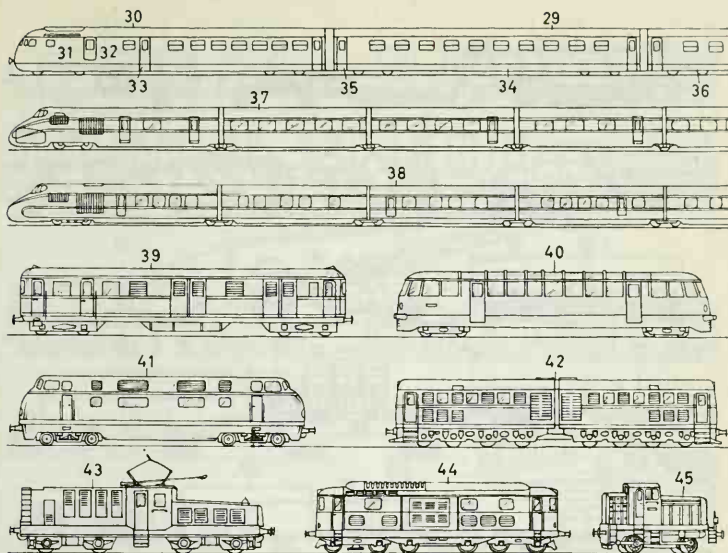
Engl. railway = Am. railroad

1-43 diesel railway vehicles,

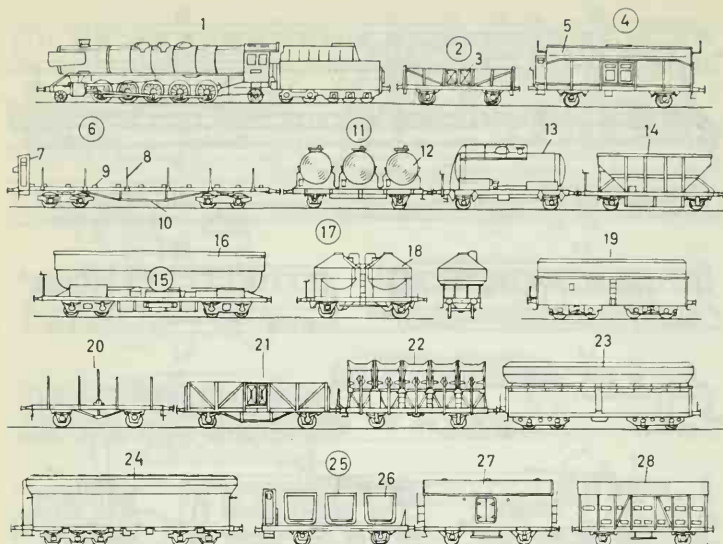
1-10 the power transmission from diesel engines to locomotive or rail car axles:

- 1 the diesel mechanical power transmission
- 2 the toothed-wheel gear box (toothed-wheel clutch gear)
- 3 the diesel hydraulic power transmission
- 4 the fluid gear (turbo gear) with torque convertor and automatic gears
- 5 the driving axle
- 6 the diesel electric power transmission
- 7 the main generator
- 8 the traction motors (driving motors)
- 9 the spur wheel gear (spur gear)
- 10 the resilient clutch;
- 11 the instrument panel:
- 12 the gear selector

- 13 the cooling-water temperature gauge (Am. gage)
- 14 the oil pressure gauge (Am. gage)
- 15 the electric revolution-counter (rev-counter, Am. reading tachometer)
- 16 the compressed-air manometer
- 17 the glow plug (heater plug) control device
- 18 the ignition keyhole
- 19 the idling control knob
- 20 the sander (sanding gear) control lever
- 21 the control lamps (pilot lamps) for battery charge
- 22 the fuel injection pump feed pedal
- 23 the clutch pedal
- 24 the foam fire-extinguisher;
- 25 the diesel mechanical rail omnibus (rail-bus) of light aluminium (Am. aluminium) construction with underfloor diesel engine



- 26 the railbus trailer
- 27 the two-wheel (one-axle) railbus luggage trailer (*Am.* baggage trailer)
- 28–40 diesel rail coaches (diesel railcars, *Am.* power railroad cars):
- 28 the diesel mechanical light-alloy (light-metal) railcar
- 29 the three-car diesel hydraulic long-distance railcar train (*Am.* multiple unit-car)
- 30 the engine car (motor-car)
- 31 the engine compartment
- 32 the luggage compartment (*Am.* baggage compartment)
- 33 the postal compartment (*Am.* mail compartment)
- 34 the second coach (middle coach)
- 35 the sliding swivel door
- 36 the control car
- 37 and 38 hydraulic mechanical articulated diesel trains:
- 37 the seven-unit day-service diesel train
- 38 the sleeping car train (*Am.* sleeper train);
- 39 the diesel goods (*Am.* freight) traction railcar, a traction and goods vehicle (*Am.* freight car) for transport of goods (*Am.* for transportation of freight) and mail
- 40 the glass-roof car, a diesel observation railcar (observation car, *Am.* pop. vista dome);
- 41 the express diesel locomotive with remote-control apparatus
- 42 the twin goods (*Am.* freight) diesel locomotive
- 43 the two-power works locomotive [electric or diesel electric];
- 44 the gas turbine locomotive
- 45 the gas engine locomotive



Engl. goods wagon = *Am.* freight car;

Engl. railway = *Am.* railroad

1 the goods train (*Am.* freight train)
steam locomotive (goods locomotive,
Am. freight engine) with trailing
tender

2-34 goods wagons (railway wagons,
railway trucks, railway vans),

2 the open goods wagon (*Am.* gondola
car);

3 the side swivel doors;

4 the covered goods wagon (box goods
wagon, *Am.* box freight car);

5 the sliding roof;

6 the bogie bolster wagon (*Am.* gondola
car) with steel stanchions;

7 the hand-brake platform with cabin
(with brakeman's cabin, with train-
man's cabin)

8 the detachable stanchion

9 the bolster

10 the sole bar reinforcement (longitudinal
frame reinforcement);

11 the tank wagon for chemicals;

12 the tank;

13 the all-purpose tank wagon

14 the hopper wagon (*Am.* hopper car)
for boxing transport

15 the compressed-gas tank wagon for
liquid gases (*Am.* tank car):

16 the sun guard;

17 the powder wagon, a self-
discharger;

18 the lid;

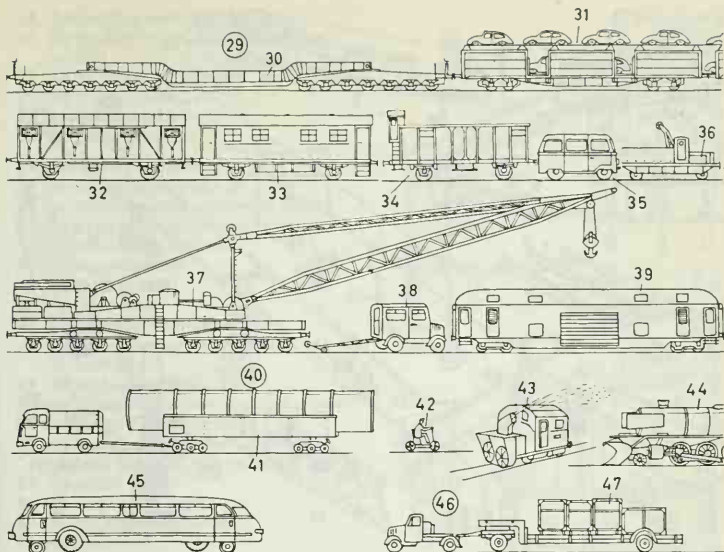
19 the ore transport wagon, a side
discharger

20 the timber transport wagon (timber
wagon, *Am.* lumber car)

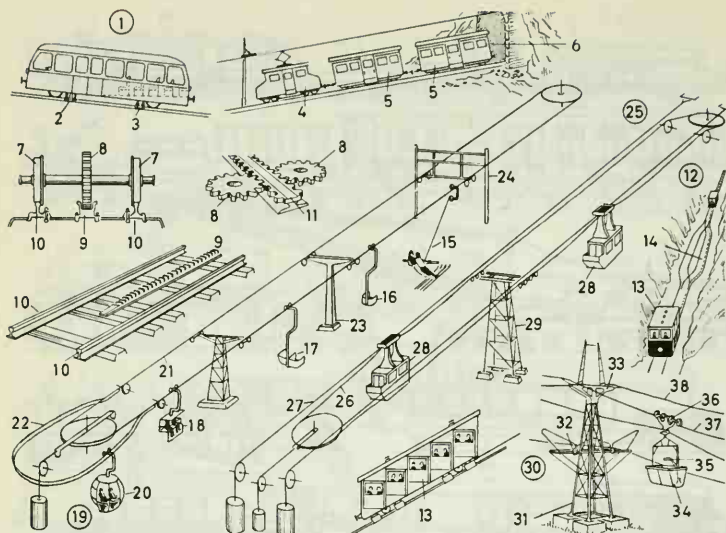
21 the open goods wagon

22 the trough tipper (trough-tipping
wagon, *Am.* railroad V-dump car, car
dumper)

23 the saddle-bottomed wagon, a two-
side discharger for coke or coal



- 24 the covered self-discharging van (*Am. car*) for sand, ballast, etc.
- 25 the container flat (*Am. tote box car*):
- 26 the large container (*Am. tote box*);
- 27 the refrigerator wagon
- 28 the multi-deck partitioned wagon for the transport of fowl
- 29 the 28-wheel (14-axle) well wagon for very heavy loads:
- 30 the loading well (loading surface);
- 31 the double-decker wagon (motorcar carrier unit)
- 32 the multi-purpose wagon
- 33 the breakdown van
- 34 the van (closed wagon, covered wagon, *Am. box freight car*);
- 35-47 special rail and road vehicles:**
- 35 the railcar (auto railcar)
- 36 the platelayers' (*Am. tracklayers'*, section crew's) railcar crane
- 37 the crane wagon for track-laying in sections and forward bridge-building
- 38 the track-testing trolley (line inspection trolley, *Am. line inspection car*)
- 39 the double-decker luggage (*Am. baggage*) van (auto railcar luggage van)
- 40 the 12-wheel (6-axle) road trailer:
- 41 the low loading platform;
- 42 the velocipede trolley, a rail cycle (rail bicycle) or a rail motorcycle (*Am. inspection trolley*)
- 43 the track rotary snow plough (*Am. track rotary snowplow*), a snow-clearing machine
- 44 the locomotive with ram-type snow plough (*Am. with ram-type snow-plow*)
- 45 the two-way vehicle (rail/road omnibus, rail/road bus)
- 46 the low-platform trailer:
- 47 the container (*Am. tote box*)



*Engl. railway = Am. railroad; Engl. lift
Am. elevator*

1-14 track mountain railways,

- 1 the adhesion motor rail coach
(*Am. motor railcar*);
- 2 the drive
- 3 the emergency brake;
- 4 and 5 the rack mountain railway (rack railway, cogwheel railway);
- 4 the electric rack railway locomotive
- 5 the rack railway coach (*Am. rack railroad car*);
- 6 the tunnel
- 7-11 rack-and-pinion railways [systems]:
- 7 the running wheel
- 8 the driving pinions
- 9 the rack
- 10 the rail
- 11 the double rack;
- 12 the funicular (funicular railway):
- 13 the funicular railway coach (*Am. cable car*)
- 14 the haulage cable;

15-38 passenger cable railways

(suspension cable railways, téléphériques, aerial cableways),

- 15-24 monocable ropeways, continuous ropeways (endless ropeways, *Am. cable car*):

- 15 the ski lift (ski hoist)
- 16-18 the chair-lift (chair-hoist):
- 16 the lift chair, a single chair
- 17 the two-seater lift chair, a double chair
- 18 the combinable two-seat chair;
- 19 the small cabin (small car) cableway, an endless cableway:
- 20 the small cabin;
- 21 the circulating rope (circulating cable), a standing (carrying) and haulage rope or cable
- 22 the switching rail
- 23 the one-mast support (one-tower support)
- 24 the gantry support;
- 25 the bi-cable ropeway (bi-cable aerial ropeway), a shuttle system (*Am. shuttle*) aerial ropeway:
- 26 the haulage cable
- 27 the standing cable (carrying cable)
- 28 the passenger cabin (passenger car, *Am. shuttle car*)
- 29 the intermediate mast (intermediate support);
- 30 the double cable suspension railway:
- 31 the lattice mast
- 32 the haulage-cable pulley

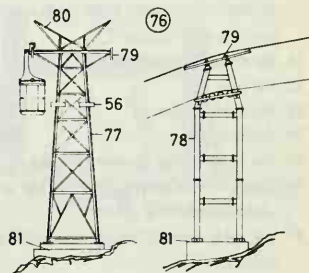
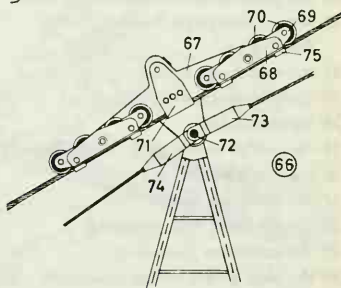
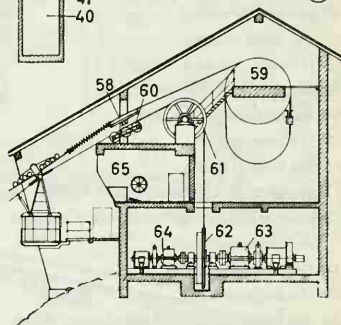
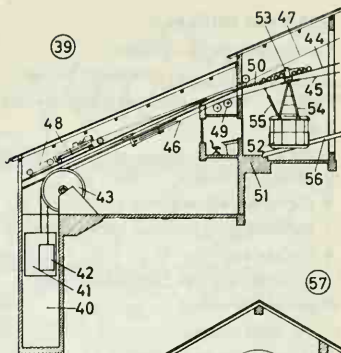
- 33 the carrying-cable bearing shoe
- 34 the tipping bucket (*Am.* dumping bucket)
- 35 the tip stop
- 36 the pulley cradle
- 37 the haulage cable
- 38 the carrying cable;
- 39 the valley station:**
- 40 the tensioning-weight pit
- 41 the carrying-cable tensioning weight
- 42 the haulage-cable tensioning weight
- 43 the tension-cable plate
- 44 the carrying cable
- 45 the haulage cable
- 46 the lower cable
- 47 the emergency cable
- 48 the emergency-cable tensioning mechanism
- 49 the haulage-cable bearings
- 50 the spring buffer (*Am.* spring bumper)
- 51 the valley station platform
- 52 the passenger cabin (passenger car, ropeway gondola), a large-capacity cabin
- 53 the pulley cradle
- 54 the suspension gear
- 55 the car vibration damper
- 56 the guide rail;

57 the mountain station (top station):

- 58 the carrying-cable shoe
- 59 the carrying-cable anchorage
- 60 the haulage-rope roller battery
- 61 the haulage-rope guide wheel
- 62 the haulage-rope winding disk or disc
- 63 the main drive
- 64 the reserve drive
- 65 the driver's cabin;

66 the cabin pulley system:

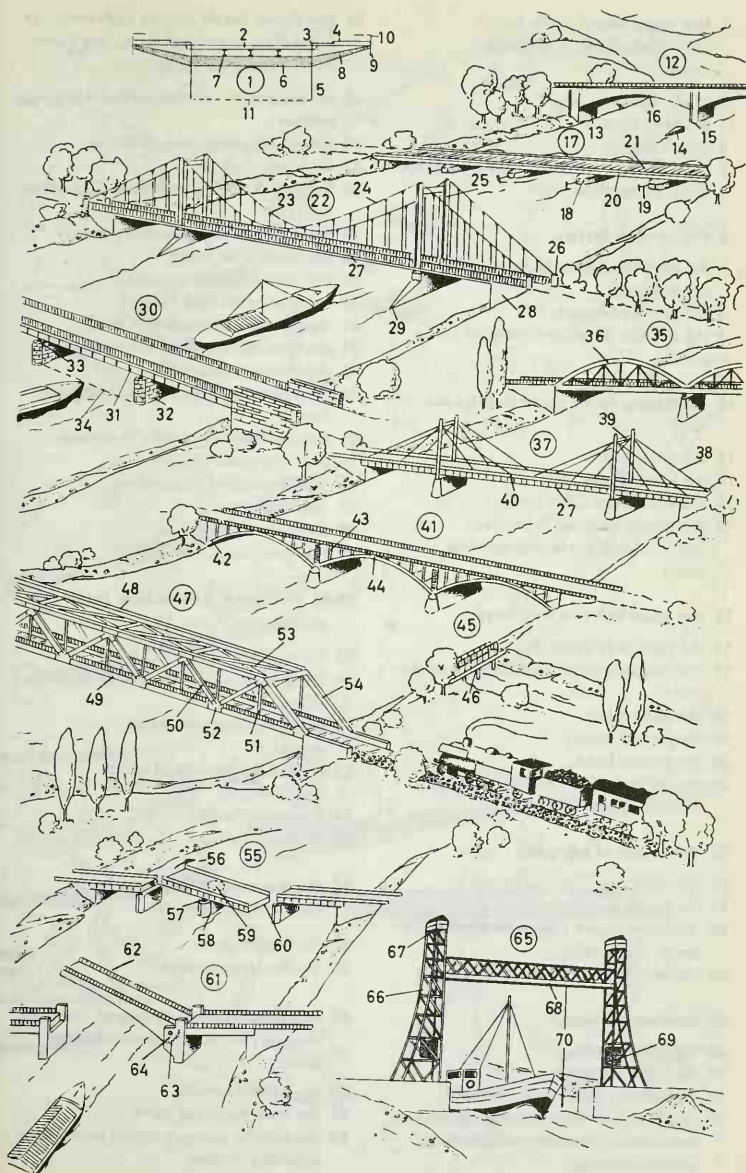
- 67 the pulley cradle main carrier
- 68 the double cradle
- 69 the two-wheel cradle
- 70 the running wheels
- 71 the carrying-cable brake, an emergency brake in case of haulage-rope breakage
- 72 the suspension tackle bolt
- 73 the traction rope sleeve
- 74 the tail-cable sleeve
- 75 the derailment guard;
- 76 ropeway supports (cableway supports, intermediate supports):
- 77 the steel lattice mast (steel lattice support)
- 78 the tubular-steel mast, a tubular-steel support
- 79 the carrying-cable support shoe
- 80 the auxiliary scaffold for work on the cables
- 81 the tower base foundation



1-54 fixed bridges,

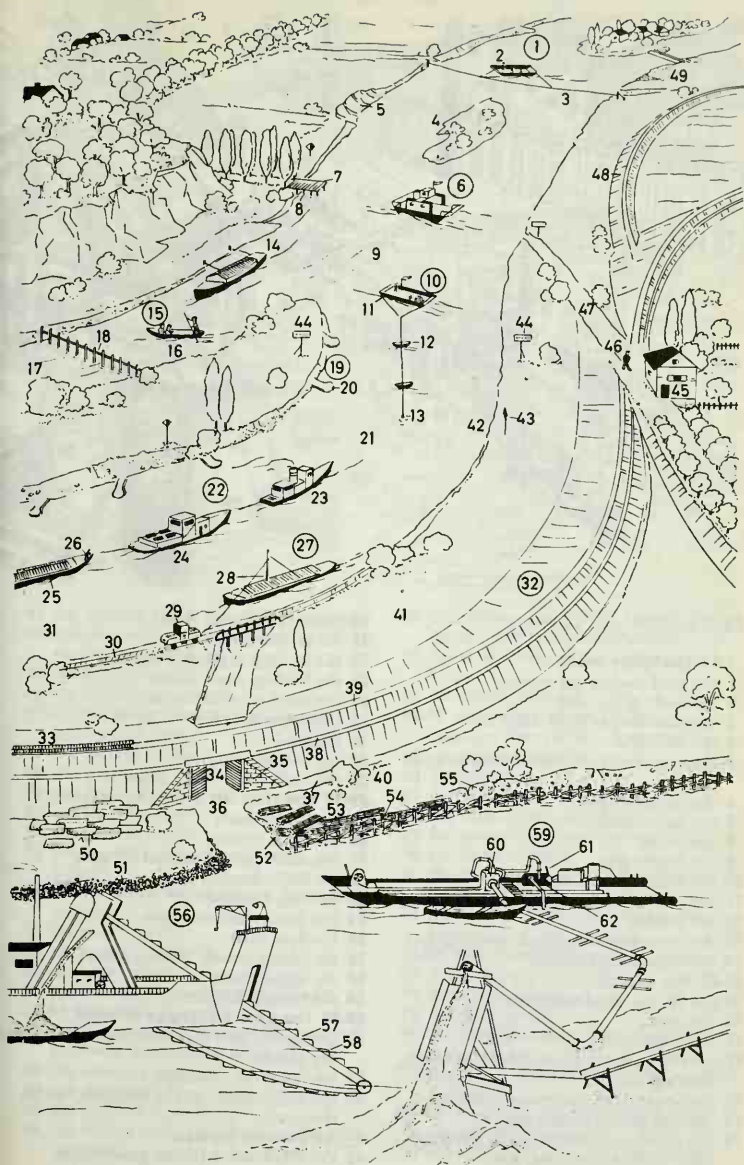
- 1 cross section of a bridge;
- 2 the roadway (*Am.* pavement; bridge floor), a steel or concrete road surfacing
- 3 the kerb
- 4 the footpath
- 5 the main truss
- 6 the cross tie (transverse girder)
- 7 the main (longitudinal) girder or web
- 8 the bracket
- 9 the outside girder
- 10 the bridge railing
- 11 the wind bracing;
- 12 the arch (arched bridge):
- 13 the pier
- 14 the detached ice guard
- 15 the bridge pier
- 16 the arched span;
- 17 the pontoon bridge (bateau bridge), an emergency bridge (temporary bridge) of bridge members:
- 18 the pontoon (bateau)
- 19 the anchor chain
- 20 the bridge girder (bridge beam, deck)
- 21 the wooden plank flooring (bridge flooring);
- 22 the suspension bridge :
- 23 the suspension rod (vertical tie)
- 24 the main cable
- 25 the bridge tower (*both* : bridge portal)
- 26 the cable anchorage
- 27 the stiffening girder
- 28 the abutment with wing wall
- 29 the icebreaker (cutwater);
- 30 the plate girder bridge (solid-web girder bridge) with plain (solid) web girders, a flat bridge:
- 31 the transverse stiffening
- 32 the pier
- 33 the bridge bearing
- 34 the span;
- 35 the bow-string girder bridge :
- 36 the parabolic girder (bow-string girder, *Am.* camel-back girder);
- 37 the cable-braced bridge (diagonal-cable bridge):

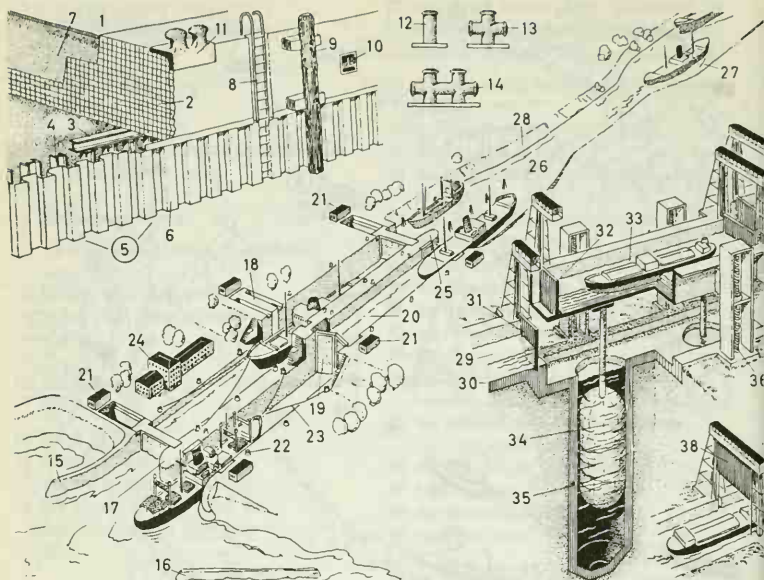
- 38 the bracing cable (diagonal cable)
- 39 the tower cross piece
- 40 the diagonal-cable anchorage;
- 41 the arch bridge:
- 42 the arch springer
- 43 the bridge strut
- 44 the arch crown;
- 45 the wooden (timber) bridge:
- 46 the bridge pile (bridge pier);
- 47 the lattice bridge (truss bridge, N-truss bridge, Pratt truss bridge), a steel bridge,
- 48-54 the bridge lattice work:
- 48 the top chord
- 49 the bottom chord, a boom
- 50 the strut
- 51 the tie
- 52 the system (assemblage, terminal) point
- 53 the upper wind bracing
- 54 the portal (entrance);
- 55-70 moving bridges,
- 55 the swing bridge:
- 56 the direction of rotation
- 57 the wheel race
- 58 the pivot pier
- 59 the pivot drive (turning machinery)
- 60 the locking pins;
- 61 the bascule bridge (trunnion-bascule bridge, balance bridge):
- 62 the bridge leaf (bascule)
- 63 the rack
- 64 the pinion;
- 65 the vertical lift bridge:
- 66 the jacking pier
- 67 the driving pulley
- 68 the lifting span (lift)
- 69 the counterweight
- 70 the lifting height



211 River and River Engineering (River Works)

- 1 the rope ferry** (cable ferry; *also* : chain ferry), a passenger ferry:
- 2 the ferryman
- 3 the ferry rope;
- 4 the river islet
- 5 the collapsed portion of the river bank, flood damage (erosion)
- 6 the motor ferry:**
- 7 the ferry landing stage (motorboat landing stage)
- 8 the pile foundation;
- 9 the current (flow, or course, of the river)
- 10 the flying ferry** (river ferry), a car ferry:
- 11 the ferry boat
- 12 the buoy (float)
- 13 the anchorage (*Am.* tying);
- 14 the winter harbour (*Am.* harbor; harbour for laying-up river craft)
- 15 the punt ferry**, a boat ferry:
- 16 the punt pole (quant);
- 17 the stagnant water (dead branch of the river)
- 18 the stake (pile)
- 19 the groyne (jetty);
- 20 the groyne head;
- 21 the fairway (ship channel, navigable channel, waterway)
- 22 the chain of barges:**
- 23 the river tug
- 24 the house tug
- 25 the barge in tow (cargo barge, freight barge, lighter)
- 26 the bargee (bargeman, lighterman);
- 27 towing** (haulage):
- 28 the towing mast
- 29 the towing engine
- 30 the towing track; *form.* towpath;
- 31 the river after the river regulation or rectification (stream-straightening, stream-training)
- 32 the flood bank** (dyke; highwater, or flood dike, or embankment; flood dam; main dike, winter dike):
- 33 the temporary, reinforced flood protection
- 34 the dike drainage lock or sluice
- 35 the wing (end) wall
- 36 the outfall ditch (drain outfall), a draining ditch
- 37 the drain (infiltration water drain)
- 38 the berm (dike ledge)
- 39 the dike top (dike summit);
- 40 the dike batter (dike slope)
- 41 the flood bed (inundation area)
- 42 the river bend in the river course
- 43 the current indicator
- 44 the kilometre board (*Am.* kilometer board)
- 45 the dike-keeper's (reeve's) cottage; *also* : ferryman's house
- 46 the dike-keeper (dike reeve)
- 47 the dike ramp
- 48 the summer dike
- 49 the river dam (*Am.* levee)
- 50-55 the bank protection** (bank stabilization):
- 50 the sandbags
- 51 the enrockment (stone packing, stone filling)
- 52 the alluvial deposit (sand deposit)
- 53 the fascine (bundle of brush-wood)
- 54 the wicker fences
- 55 the stone riprap;
- 56 the floating dredger**, a multi-bucket ladder dredger:
- 57 the bucket chain
- 58 the dredging bucket;
- 59 the sand-pump dredger** (suction dredger) with drag nozzle or barge sucker:
- 60 the pressure pump
- 61 the back-scouring valve
- 62 the suction pump, a nozzle pump with scouring nozzles



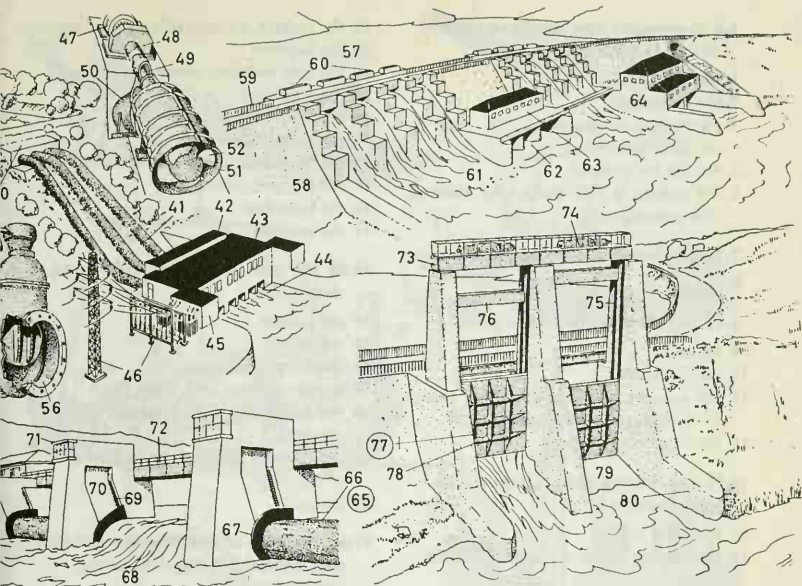


Engl. canal = *Am.* waterway

1-14 the quay wall:

- 1 the road surface (pavement)
- 2 the body of the wall
- 3 the steel sleeper (*Am.* steel tie)
- 4 the steel pile
- 5 the sheet wall (pile wall, sheet-pile bulkhead):
- 6 the box-plate pile;
- 7 the back filling
- 8 the ladder
- 9 the fender pile
- 10 the bollard niche (recess)
- 11 the double bollard, negro-head bollard
- 12 the bollard
- 13 the cross-shaped bollard, mooring bitt
- 14 the cross-head bollard;
- 15-28 the canal,**
- 15 and 16 the canal entrance:
- 15 the mole
- 16 the breakwater;
- 17-25 the staircase locks (chain of locks, flight of locks):
- 17 the lower head (downstream end)
- 18 the lock gate, a sliding gate
- 19 the mitre gate (mitred gate, leaf gate; *Am.* miter, or mitered, gate)

- 20 the lock chamber (lock)
- 21 the power house
- 22 the hauling capstan, a capstan
- 23 the hauling rope, a rope
- 24 the canal administration
- 25 the upper head;
- 26 the lay-by
- 27 the passing place
- 28 the bank scarp (bank slope);
- 29-38 the ship lift (*Am.* ship elevator):
- 29 the lower reach
- 30 the canal bottom
- 31 the reach gate, a vertical lift gate
- 32 the lock-chamber gate
- 33 the ship chamber
- 34 the float, a buoyant body
- 35 the float shaft
- 36 the lifting spindle (lifting screw)
- 37 the upper reach
- 38 the vertical lift gate;
- 39-44 the pump storage station
(pump-fed power station, water-pump-
ing plant):
- 39 the reservoir (forebay)
- 40 the surge tank (intake chamber, water
chamber)
- 41 the pressure pipeline
- 42 the sluice-valve (sluice-gate) house



43 the turbine house (pumping station)
44 the discharge structure (headway structure, outlet structure);

45 the control station
46 the transformer station

47-52 the wing pump (vane pump, semi-rotary pump):

47 the driving motor
48 the gear
49 the driving shaft
50 the pressure pipe
51 the suction funnel
52 the impeller wing wheel (vane wheel);

53-56 the slide valve (sluice valve, gate valve):

53 the crank drive
54 the valve housing
55 the slide (gate)
56 the discharge opening (sluiceway);

57-64 the dam (barrage):

57 the storage pool (storage lake, storage reservoir, impounded lake)
58 the masonry dam
59 the dam crest (dam top)
60 the spillway (overflow)
61 the stilling basin (absorption, *Aw.* stilling pool)

62 the bottom discharge tunnel (outlet tunnel, sluiceway, scour outlet)

63 the sluice-valve house (sluice-gate house)

64 the power station;

65-72 the roller dam (roller weir), a barrage; *other system* : shutter weir,

65 the roller, a barrier:

66 the roller top

67 the side-plate;

68 the submergible roller

69 the geared (toothed) rack

70 the niche (recess)

71 the hoisting gear cabin (hoisting winch cabin)

72 the weir service gangway (service bridge);

73-80 the sluice dam (sluice weir):

73 the hoisting gear bridge

74 the winding gear

75 the guide groove

76 the balance weight (counterweight, counterpoise)

77 the sluice (sluice gate, penning gate, floodgate):

78 the stiffening rib (reinforcing rib);

79 the dam sill (weir sill)

80 the side wall (wing wall, abutment)

213 Types of Historical Ships

1-6 Germanic rowing barge [about 400 A. D.], the Nydam boat:

- 1 the stern post
- 2 the steersman
- 3 the rowers (oarsmen)
- 4 the stem post
- 5 the oar for rowing
- 6 the rudder, a side rudder for steering (the steering oar);

7 the dug-out, a hollowed-out tree trunk

- 8 the paddle

9-12 the trireme, a Roman warship:

- 9 the ram
- 10 the forecastle
- 11 the grapnel (grapple, grappling beam) for holding the enemy ship
- 12 the three tiers of oars;

13-17 the Viking ship ('dragon' ship [Old Norse]):

- 13 the helm (tiller)
- 14 the awning crutch with carved horse heads
- 15 the awning
- 16 the dragon figure head
- 17 the shield;

18-26 the cog (Hanse cog, Hanse ship):

- 18 the anchor cable (anchor hawser)
- 19 the forecastle (fo'c'sle)
- 20 the bowsprit
- 21 the furled (brailed-up, clewed-up) squaresail
- 22 the town banner (city banner)
- 23 the after castle
- 24 the rudder, a stern rudder
- 25 the rounded stern
- 26 the wooden fender;

27-43 the caravel (carvel) ['Santa Maria' 1492]:

- 27 the admiral's cabin
- 28 the spanker boom
- 29 the spanker (driver, mizzen), a Lateen sail
- 30 the spanker yard (Lateen yard)
- 31 the mizzen mast
- 32 the lashings
- 33 the mainsail (maincourse), a squaresail

34 the bonnet, a removable strip of canvas

35 the bowline

36 the side buntline (martinet, martnet)

37 the mainyard

38 the main topsail

39 the main topsail yard

40 the mainmast

41 the foresail (forecourse)

42 the foremast

43 the spritsail;

44-50 the galley [15th to 18th cent.], a slave galley:

44 the lantern

45 the cabin

46 the central gangway

47 the slave driver with whip

48 the galley slaves (rowing slaves, galley convicts)

49 the covered platform in the fore part of the ship

50 the gun;

51-60 the ship of the line (line-of-battle-ship, battleship) [18th/19th cent.], a three-decker:

51 the jib boom

52 the fore topgallant sail

53 the main topgallant sail

54 the mizzen topgallant sail

55-57 the gilded stern:

55 the upper stern

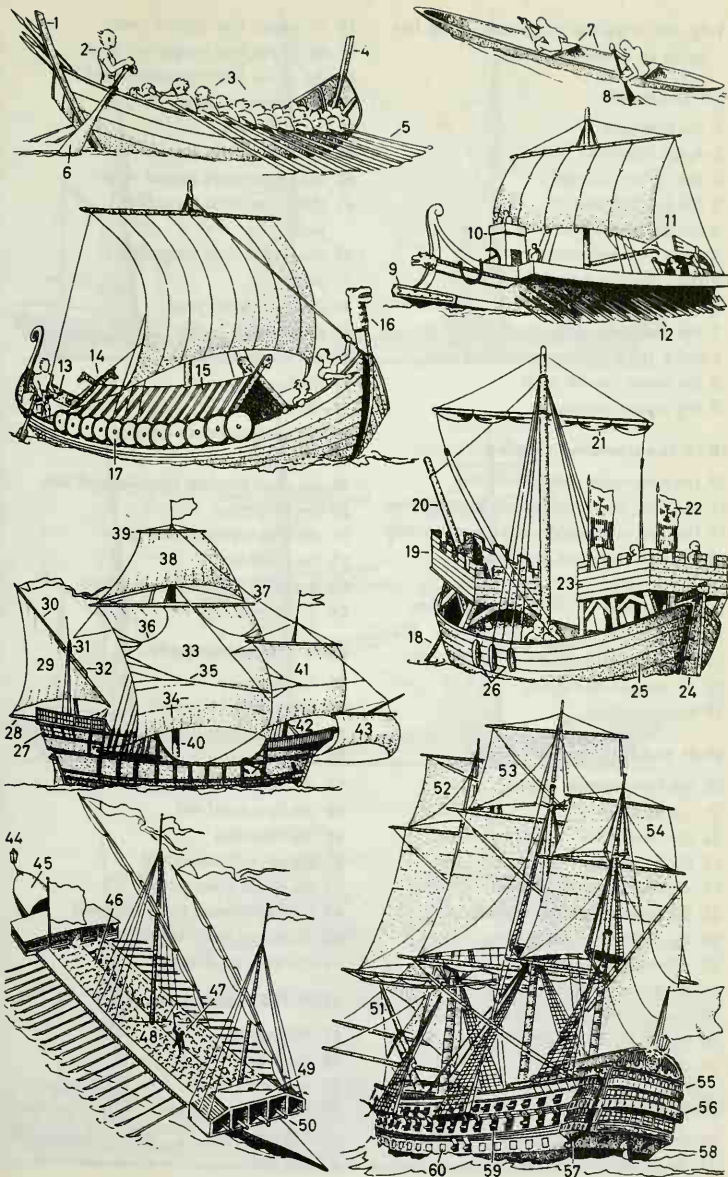
56 the stern gallery

57 the quarter gallery;

58 the lower stern

59 the gun openings for broadside fire

60 the gun port



1-72 the rigging (rig, tackle) and the sails of a bark (barque),

1-9 the masts:

- 1 the bowsprit
- 2-4 the foremast:
- 2 the lower foremast
- 3 the fore topmast
- 4 the fore topgallant mast;
- 5 and 6 the mainmast:
- 5 the lower mainmast
- 6 the main topmast;
- 7 the main topgallant mast
- 8 and 9 the mizzen mast (mizen mast):
- 8 the lower mizzen mast
- 9 the mizzen topmast;

10-19 the standing rigging:

- 10 the fore, main and mizzen stay
- 11 the fore, main and mizzen topmast stay
- 12 the fore, main and mizzen topgallant stay
- 13 the fore and main royal stay
- 14 the jib stay
- 15 the bobstay
- 16 the shrouds
- 17 the topmast rigging
- 18 the topgallant rigging
- 19 the backstays;

20-31 the fore-and aft sails:

- 20 the fore topmast staysail
- 21 the inner jib
- 22 the outer jib
- 23 the flying jib
- 24 the main topmast staysail
- 25 the main topgallant staysail
- 26 the main royal staysail
- 27 the mizzen staysail
- 28 the mizzen topmast staysail
- 29 the mizzen topgallant staysail
- 30 the spanker (driver)
- 31 the gaff topsail;

32-45 the spars:

- 32 the fore yard
- 33 the lower fore topsail yard

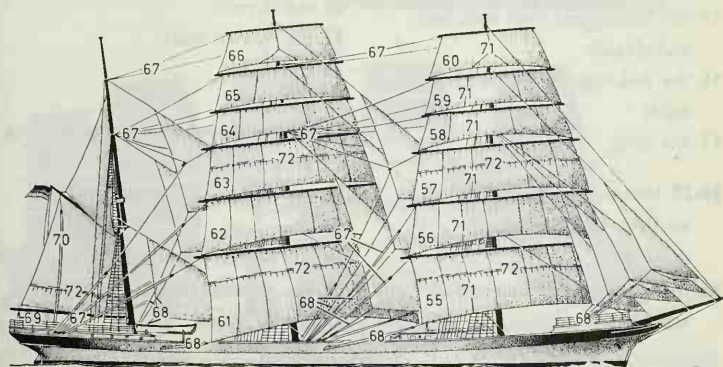
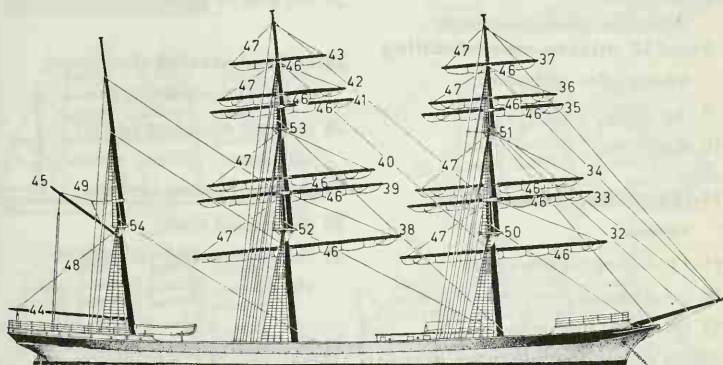
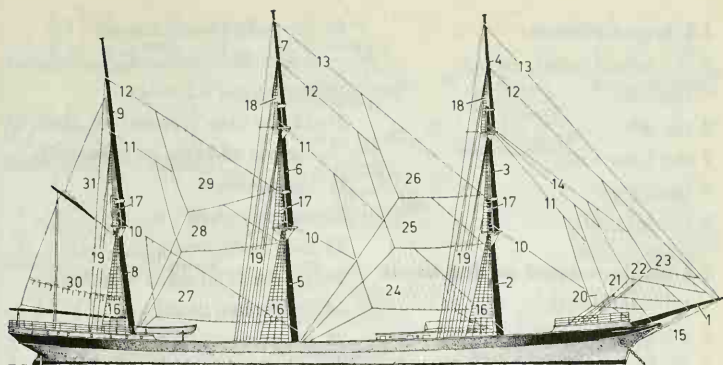
- 34 the upper fore topsail yard
- 35 the lower fore topgallant yard
- 36 the upper fore topgallant yard
- 37 the fore royal yard
- 38 the mainyard
- 39 the lower main topsail yard
- 40 the upper main topsail yard
- 41 the lower main topgallant yard
- 42 the upper main topgallant yard
- 43 the main royal yard
- 44 the spanker boom
- 45 the spanker gaff;
- 46 the foot rope
- 47 the lifts
- 48 the spanker boom topping lift
- 49 the peak pendant (spanker gaff lift)
- 50 the foretop
- 51 the fore topmast cross trees
- 52 the main top
- 53 the main topmast cross trees
- 54 the mizzen top

55-66 the square sails:

- 55 the foresail
- 56 the lower fore topsail
- 57 the upper fore topsail
- 58 the lower fore topgallant sail
- 59 the upper fore topgallant sail
- 60 the fore royal sail
- 61 the main sail
- 62 the lower main topsail
- 63 the upper main topsail
- 64 the lower main topgallant sail
- 65 the upper main topgallant sail
- 66 the main royal sail;

67-71 the running rigging:

- 67 the braces
- 68 the sheets
- 69 the jigger sheet
- 70 the spanker vang
- 71 the buntline;
- 72 the reef



1-5 forms of sails:

- 1 the gaffsail (*small*: trysail, spencer)
- 2 the gib
- 3 the Lateen sail
- 4 the lugsail
- 5 the spritsail;

6-8 single-masted sailing boats

(*Am.* sailboats),

- 6 the gaff-rigged sloop;
- 7 the lee board;
- 8 the cutter;

9 and 10 mizzen-masted sailing boats (*Am.* sailboats):

- 9 the ketch
- 10 the yawl;

11-17 two-masted sailing vessels,

- 11-13 the topsail schooner:
- 11 the mainsail
- 12 the boom fore sail
- 13 the square fore sail;
- 14 the brig schooner:
- 15 the half-rigged mast with fore and aft sails
- 16 the full-rigged mast with square sails;
- 17 the brig;

18-27 three-masted (three-mast) **sailing vessels** (three-masters):

- 18 the three-masted fore-and-aft schooner

- 19 the three-masted topsail schooner

- 20 the barque schooner

- 21-23 the bark (barque) [cf. plans of rigging and sails on plate 214]:

- 21 the foremast

- 22 the main mast

- 23 the mizzen mast;

- 24-27 the full-rigged ship (ship):

- 24 the mizzen mast

- 25 the crossjack (cro'jack) yard

- 26 the crossjack sail

- 27 the row of ports;

28-31 four-masted (four-mast) **ships** (four-masters):

- 28 the four-mast fore and aft schooner

- 29 the four-masted barque:

- 30 the mizzen mast;

- 31 the four-masted full-rigged ship;

32-34 the five-masted bark or barque:

- 32 the skysail

- 33 the mizzen mast

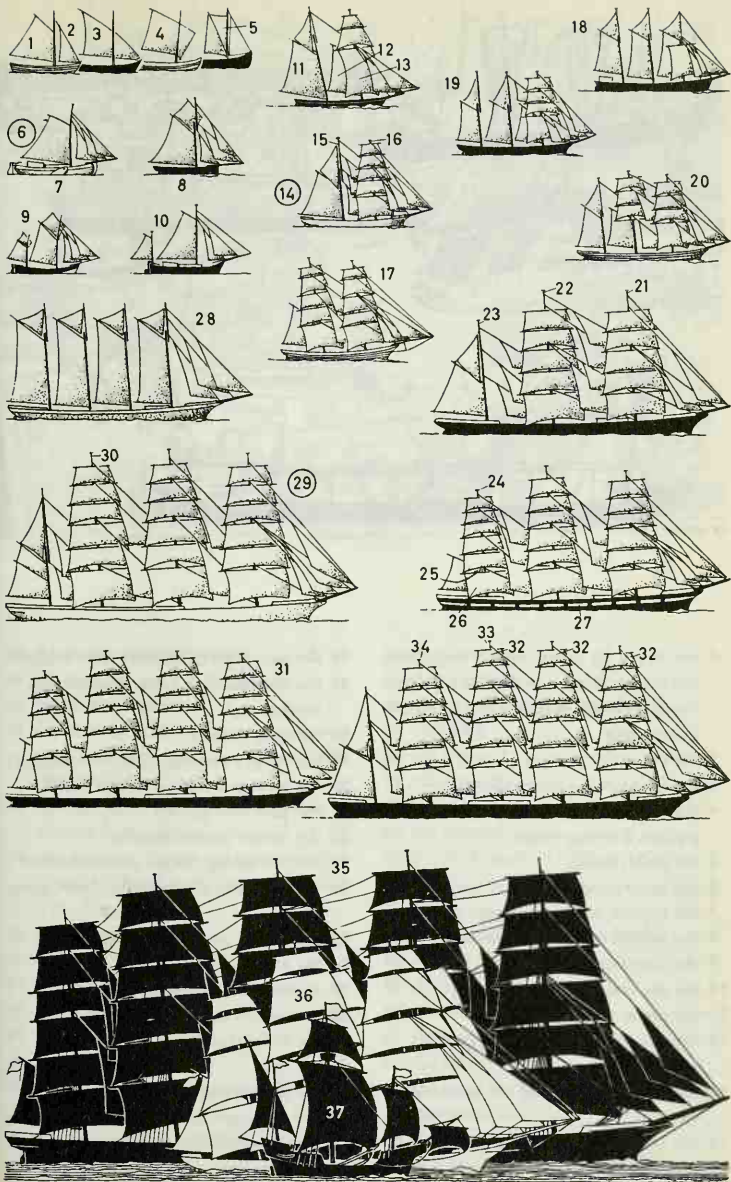
- 34 the jigger;

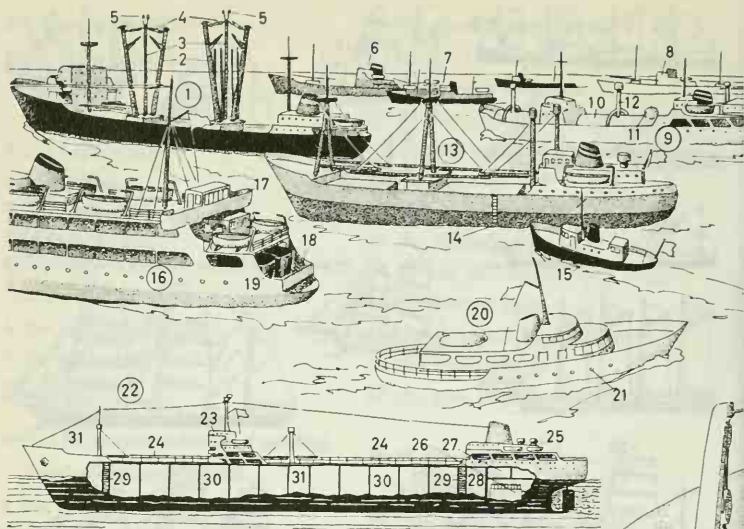
35-37 the development of sailing ships over 400 years:

- 35 the five-mast full-rigged ship 'Preußen'

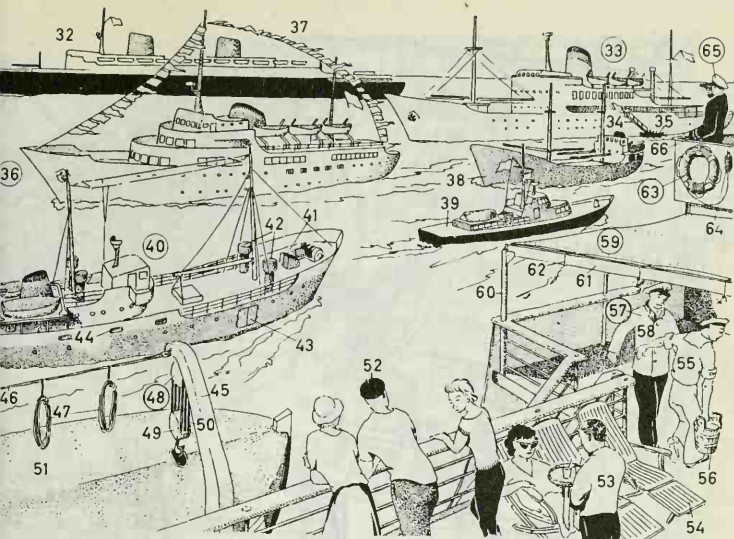
- 36 the British clipper 'Spindrift'

- 37 the caravel (caravelle, carvel) 'Santa Maria'

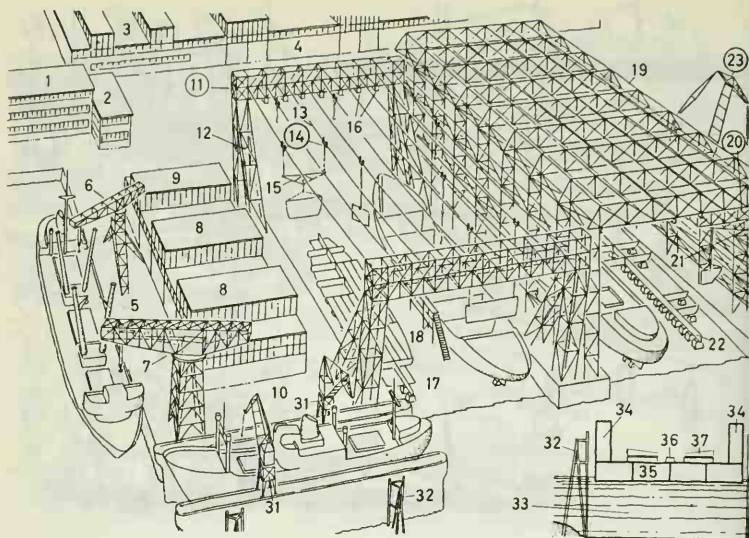




- 1 the heavy lift cargo ship, a cargo ship (merchant ship, merchantman, cargo boat) specially designed for foreign-going trade:
- 2 the heavy lift derrick
- 3 the heavy cargo boom (derrick)
- 4 the lifting tackle (purchase), a set of pulleys, a strong tackle
- 5 the pulley head;
- 6 the factory trawler
- 7 the trawler, a fishing vessel
- 8 the banana boat, a fruit-carrier
- 9 the liquid-gas tanker:
- 10 the gas tank
- 11 the dome
- 12 the gas vent for burning gas residues;
- 13 the motor cargo ship for intermediate trade:
- 14 the Jacob's ladder, a rope ladder;
- 15 the pilot vessel
- 16 the train ferry (ferry boat, ferry bridge):
- 17 the manoeuvring (*Am.* maneuvering) bridge
- 18 the ferry deck
- 19 the railway carriage (*Am.* railroad car);
- 20 the private launch, a motor launch:
- 21 the port hole (port);
- 22 the tanker (ocean tanker):
- 23 the navigating bridge superstructure
- 24 the fore-and aft gangway (*Am.* gang plank)
- 25 the engine room superstructure
- 26 the engine room
- 27 the auxiliary engine room
- 28 the oil fuel tank
- 29 the coffer dam
- 30 the tank
- 31 the pump-room;
- 32 the passenger liner (passenger steamer, ocean steamship), an ocean-going liner (atlantic liner, transatlantic liner)



- 33 the motor passenger ship:
 34 the gangway (*Am.* gang plank)
 35 the disembarkation;
 36 the seaside resort pleasure boat (excursion vessel) on her maiden trip (maiden voyage):
 37 the bunting (*Am.* colors) [on a ship dressed 'over all'];
 38 the coasting (home-trade) motorship (coaster, coastal craft) for coastal trade (*Am.* for cabotage)
 39 the customs launch
 40 the cattle boat, a special vessel:
 41 the companion way (companion)
 42 the ventilator
 43 the side port
 44 the freeing port;
 45-66 the excursion boat (pleasure steamer),
 45-50 the lifeboat launching gear:
 45 the davit
 46 the wire span
 47 the man rope
 48 the purchase (block and tackle):
 49 the block
 50 the tackle;
 51 the tarpaulin
 52 the passenger
 53 the steward
 54 the deck chair
 55 the cabin boy
 56 the bucket
 57 the boatswain (*Am. coll.* bosun):
 58 the tunic (jacket);
 59 the awning:
 60 the awning stanchion
 61 the awning spar
 62 the strop;
 63 the night life buoy:
 64 the patent flare;
 65 the officer of the watch:
 66 the duty jacket (working jacket)



1-40 the shipyard (dockyard, *Am.* navy yard):

- 1 the general offices
- 2 the drawing office
- 3 and 4 the ship-building hangar:
- 3 the mould loft (*Am.* mold loft)
- 4 the erection shop;
- 5-9 the fitting-out quay:
- 5 the quay
- 6 the tripod crane
- 7 the hammer-headed crane
- 8 the engine workshop
- 9 the boiler shop;
- 10 the repair quay
- 11-26 the building slip** (slip, slipway, launching way),
- 11-18 the cable crane berth (cable slipway),
- 11 the slipway portal:
- 12 the portal support;
- 13 the crane cable
- 14 the crab:
- 15 the cross piece;
- 16 the crane-driver's cabin
- 17 the slipway floor
- 18 the scaffolding;
- 19-21 the frame slipway:

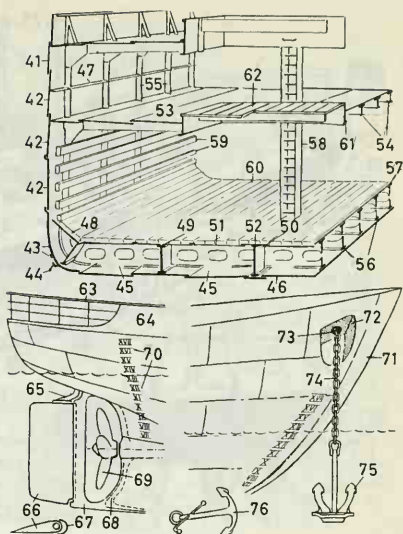
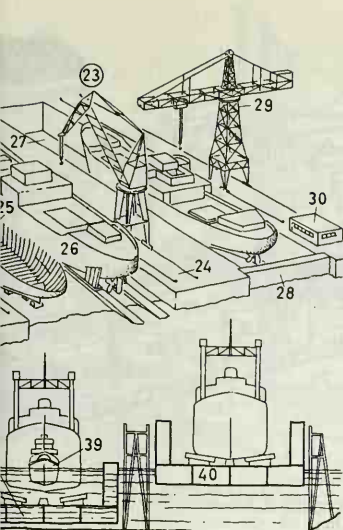
- 19 the slipway frame
- 20 the overhead travelling (*Am.* traveling) crane (gantry crane):
- 21 the slewing crab;
- 22 the keel in position
- 23-26 the modern crane slipway,
- 23 the luffing jib crane, a slipway crane:
- 24 the crane track;
- 25 the hull frames in position
- 26 the new ship (ship under construction);

27-30 the dry dock (graving dock):

- 27 the dock floor
- 28 the dock gates (caisson, dock pontoon, closing pontoon, floodgates)
- 29 the cantilever crane
- 30 the pumping station;

31-40 the floating dry dock:

- 31 the dock crane, a gib crane
- 32 the fender dolphins
- 33-40 dock layout:
- 33 the dock basin
- 34 and 35 the dock structure:
- 34 the side tank
- 35 the floor tank (bottom tank);
- 36 the keel blocks

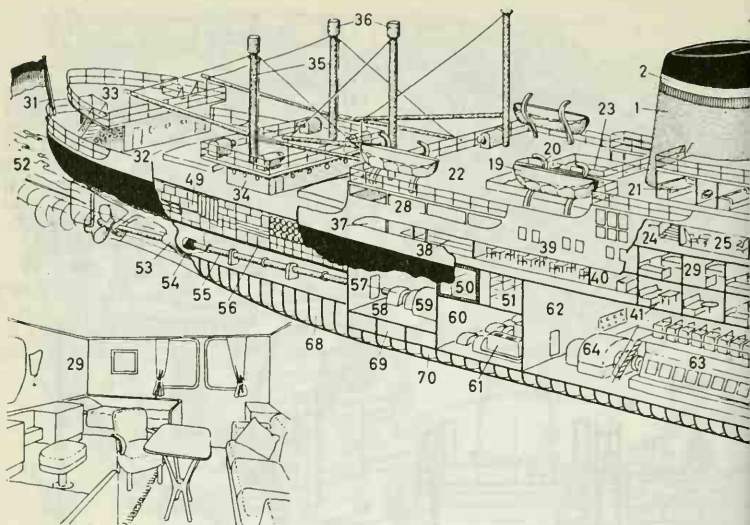


- 37 the bilge blocks
- 38-40 docking a ship:
- 38 the flooded (filled) floating dry dock
- 39 the tug towing the ship (*Am.* towboat, tugboat)
- 40 the emptied (pumped-out) dock;

41-58 the ship's structural parts,

- 41-53 the longitudinal strength,
- 41-46 the shell plating (outer skin):
- 41 the sheerstrake (sheerwale)
- 42 the side strake
- 43 the bilge strake
- 44 the bilge keel (rolling chock)
- 45 the bottom plating (garboard strake)
- 46 the flat-plate keel (keel plate);
- 47 the side stringer
- 48 the tank margin plate (wing girder)
- 49 the side girder
- 50 the centre (*Am.* center or through) girder (keelson, kelson, vertical centre plate)
- 51 the tank top plating (tank crown)
- 52 the centre (*Am.* center) strake
- 53 the deck plating;
- 54 the deck beam
- 55 the rib (frame)
- 56 the floor plate

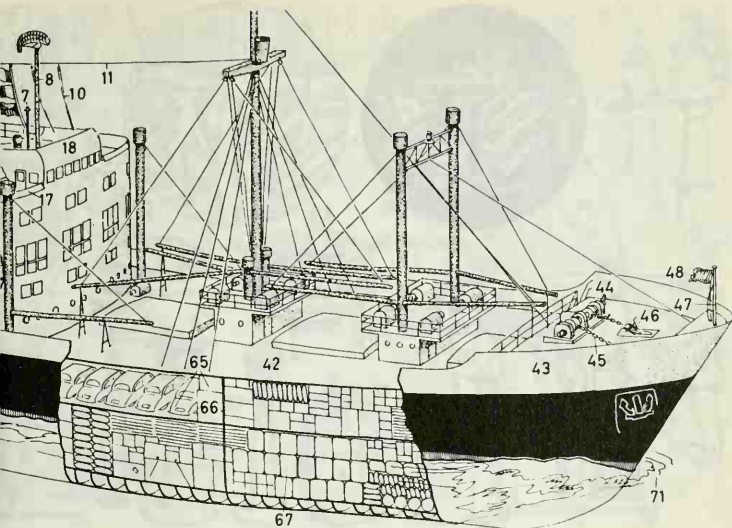
- 57 the double bottom
- 58 the hold stanchion (hold pillar);
- 59 and 60 the dunnage:
- 59 the side cargo battens (spar ceiling)
- 60 the ceiling;
- 61 and 62 the hatchway:
- 61 the hatch coaming
- 62 the hatch cover;
- 63-69 the stern:
- 63 the rails
- 64 the bulwark
- 65 the rudder stock
- 66 and 67 the Oertz rudder:
- 66 the rudder blade
- 67 and 68 the stern frame:
- 67 the rudder post
- 68 the propeller post (screw post);
- 69 the ship's screw (ship's propeller);
- 70 the draught marks (*Am.* draft numerals)
- 71-73 the bow:
- 71 the stem
- 72 the hawse
- 73 the hawse pipe;
- 74 the anchor cable
- 75 the patent (stockless) anchor
- 76 the stock anchor (standard anchor, *Am.* common anchor)



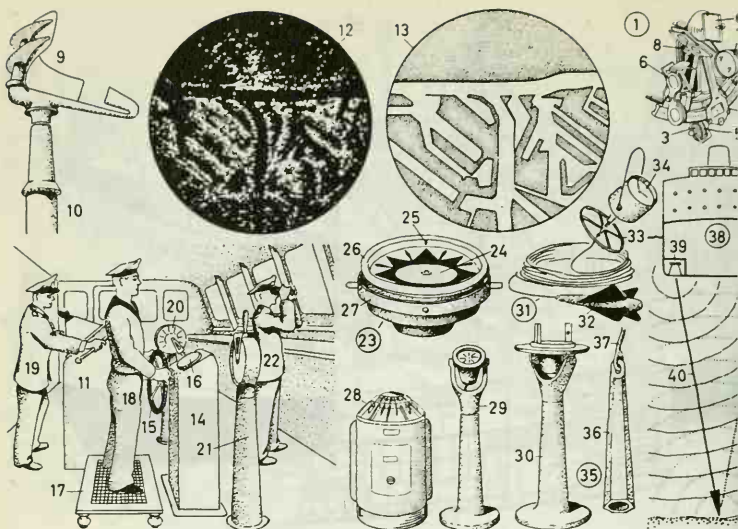
1-71 the combined passenger and cargo motorship (passenger and freight vessel or boat):

- 1 the funnel
- 2 the funnel marking
- 3 the ship's siren (foghorn)
- 4-11 the monkey island:
- 4 the aerial lead-in
- 5 the D. F. aerial or loop
(*Am.* aural null loop)
- 6 the azimuth (standard) compass
- 7 the signalling (*Am.* signaling) lamp
(morse lamp)
- 8 the radar scanner
- 9 the flag signal
- 10 the signal halyards
- 11 the triatic stay;
- 12-18 the bridge deck (navigating bridge):
- 12 the wireless (*Am.* radio) cabin
- 13 the captain's cabin
- 14 the chart room

- 15 the starboard side light [green; the port light on the other side: red]
- 16 the wing of the bridge
- 17 the wind deflecting screen (dodger)
- 18 the wheel house;
- 19-21 the boat deck:
- 19 the lifeboat
- 20 the davit
- 21 the officer's cabin;
- 22-27 the promenade deck:
- 22 the sun deck (lido deck, sports deck)
- 23 the swimming pool
- 24 the companion way
- 25 the ship's library
- 26 the lounge
- 27 the promenade;
- 28-30 the A-deck:
- 28 the semi-enclosed deck space
- 29 the two-berth cabin, a cabin
- 30 the luxury (state) cabin;
- 31 the ensign staff
- 32-42 the B-deck (main deck):



- | | |
|--|--|
| 32 the after deck | 52 the wake |
| 33 the poop | 53 the shaft brackets |
| 34 the deck house | 54 the stuffing box (gland) |
| 35 the samson post | 55 the propeller shaft |
| 36 the ventilator head | 56 the shaft tunnel (shaft trunk, tail shaft passage) |
| 37 the galley (<i>Am.</i> caboose; cook room, ship's kitchen) | 57 the thrust block |
| 38 the pantry | 58-64 the diesel electric ship drive: |
| 39 the dining saloon | 58 the electric motor room |
| 40 the purser's office | 59 the electric motor |
| 41 the one-berth (single, single-bed) cabin | 60 the auxiliary engine room |
| 42 the fore deck; | 61 the auxiliary engine |
| 43 the forecastle (bows) | 62 the main engine room |
| 44-46 the anchor gear: | 63 the main engine, a marine diesel engine |
| 44 the windlass | 64 the generator; |
| 45 the anchor chain (cable chain, anchor | 65 the forward holds |
| 46 the chain stop; [cable] | 66 the between decks |
| 47 the jack staff | 67 the cargo ('tween decks) |
| 48 the forward jack | 68 the double-bottom tank (<i>Am.</i> container for water ballast |
| 49 the after holds | 69 the fresh-water tank |
| 50 the refrigerating chamber (cold-storage room) | 70 the oil fuel tank |
| 51 the store room (<i>Am.</i> commissaries) | 71 the bow wave |

**1 the sextant:**

- 2 the graduated arc (graduated limb)
- 3 the micrometer drum
- 4 the index bar
- 5 the vernier
- 6 the index mirror and horizon glass
- 7 the telescope
- 8 the grip;

9-13 the radar unit (radio detecting and ranging apparatus):

- 9 the scanner
- 10 the scanner support
- 11 the radar display unit
- 12 the plan position indicator (P. P. I.)
- 13 the radar image seen on a chart (chart section);

14-22 the wheel house:

- 14 the steering column
- 15 the steering wheel
- 16 the steering compass
- 17 the quartermaster's (helmsman's, *Am.* wheelsman's) grating
- 18 the quartermaster (helmsman, *Am.* wheelsman)
- 19 the navigating officer

20 the engine room telegraph

- 21 the docking telegraph (*Am.* manœuvring telegraph)
- 22 the captain;

23-30 compasses,

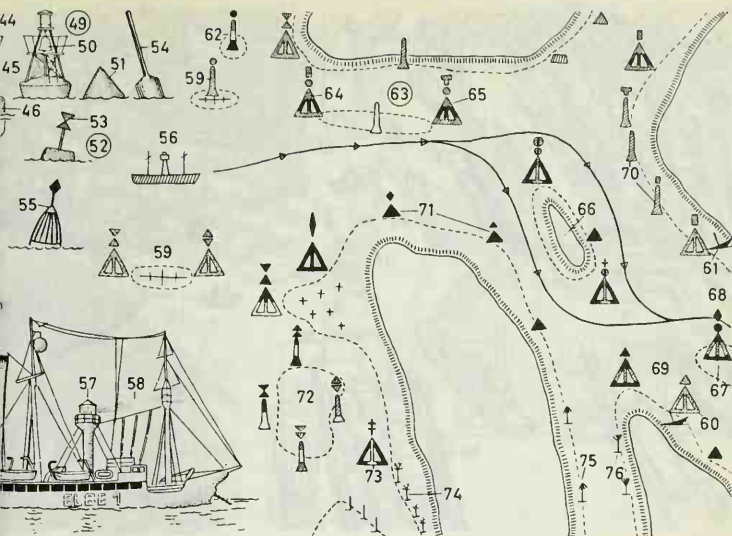
- 23 the liquid compass, a magnetic compass;
- 24 the compass card
- 25 the lubber line
- 26 the compass bowl
- 27 the gimbals
- 28-30 the gyro compass unit:
- 28 the master compass
- 29 the repeater compass
- 30 the gyroscopic repeater with pelorus (*Am.* with bearing plate);

31 the patent log (taffrail log), a log:

- 32 the rotator
- 33 the governor
- 34 the log register;

35-42 leads (sounding leads, sounding lines),

- 35 the hand lead (*Am.* plumb bob):
- 36 the lead (sinker)
- 37 the lead line;
- 38 the echo sounder:



39 the sound transmitter (sound emission microphone, *Am.* impulse microphone, impulse mike)

40 the sound signal

41 the echo

42 the echo receiver;

43-76 sea marks (nautical marks) used for buoyage and lighting,

43 the light and whistle buoy,

44 the lantern

45 the buoy whistle

46 the buoy

47 the buoy chain

48 the buoy stone (sinker);

49 the light and bell buoy:

50 the buoy bell;

51 the conical buoy [black]

52 the can buoy:

53 the top mark;

54 the spar buoy [red]

55 the beacon buoy

56 the lightship (light-vessel):

57 the lantern tower, a tower mast

58 the beam of light;

59-76 marks in navigable water [German type]:

59 wreck [green buoys]

60 wreck on (to) starboard

61 wreck on (to) port

62 shallows (shallow ground, shallow water, shelves, shoals, *Am.* flats)

63 middle ground (*Am.* center bank) to port:

64 division

65 confluence;

66 middle ground (*Am.* center bank)

67 middle ground (*Am.* center bank) to starboard

68 the main fairway

69 the secondary fairway

70 port hand buoys [red]

71 starboard hand buoys [black]

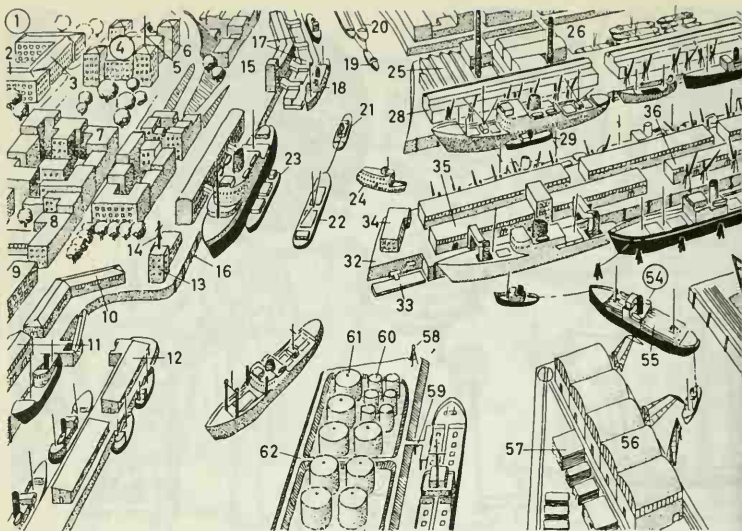
72 shallows (shallow ground, shallow water, shelves, shoals, *Am.* flats) outside the fairway

73 the middle of the fairway

74 perches (pricks, *Am.* spears) on port hand

75 poles (marking posts) on starboard hand

76 poles (marking posts) on port hand



Engl. harbour = Am. harbor

- 1 the harbour hospital:
- 2 the quarantine station
- 3 the institute for tropical diseases (for tropical medicine);
- 4 the meteorological offices (*Am.* weather bureau), a meteorological station:
- 5 the signal mast
- 6 the storm signal (storm warning);
- 7 the harbour quarter

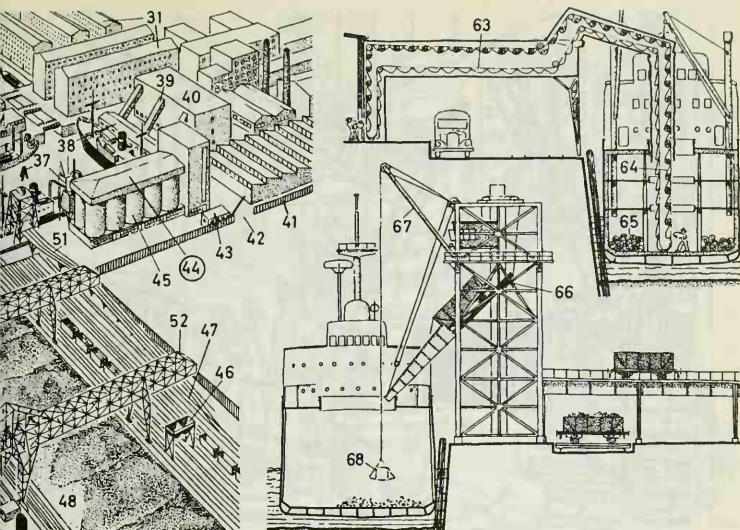
8-12 the fishing harbour (fishing port):

- 8 the net factory
- 9 the cannery
- 10 the packing shed
- 11 the fish auction market
- 12 the equipment shed;
- 13 the harbour office
- 14 the water level indicator
- 15 the quay road
- 16 the passenger quay
- 17 the landing pier (landing stage)

- 18 the pleasure steamer (excursion steamer)
- 19 the harbour launch
- 20 the barge (lighter)
- 21 the tug (steam tug, tug boat, tow boat)
- 22 the sea-going barge or lighter
- 23 the bunkering tanker
- 24 the harbour ferry (ferry boat)

25-62 the free port (docks):

- 25 the harbour industry
- 26 the inner harbour
- 27 the harbour canal
- 28-31 the transshipment harbour:
- 28 the transit shed
- 29 the water boat
- 30 the lighter
- 31 the warehouse;
- 32-36 the quay (wharf):
- 32 the mole (jetty)
- 33 the landing stage (ponton)
- 34 the harbour customs house
- 35 the banana shed

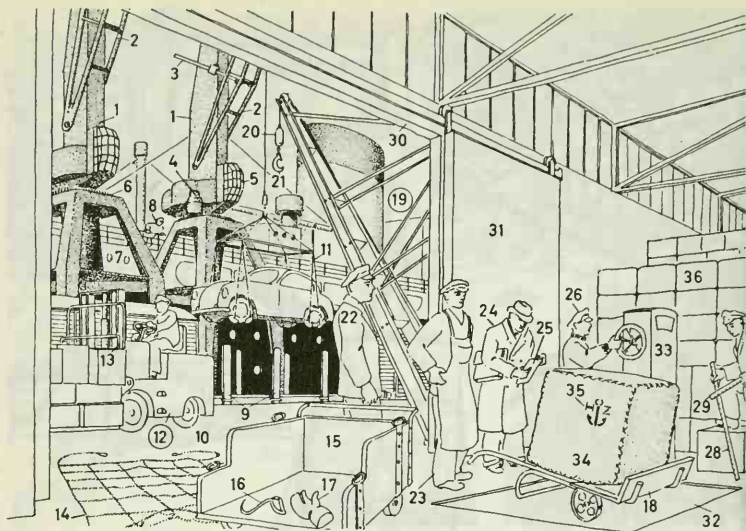


- 36 the fruit shed;
- 37 the dolphins
- 38 the storage shed
- 39 the conveyor belt
- 40 the cold-storage house
- 41-43 the free port boundary:
- 41 the customs fence
- 42 and 43 the customs entrance:
- 42 the customs barrier
- 43 the customs house;
- 44-53 the bulk goods wharf,
- 44 the silos:
- 45 the silo bin;
- 46-53 the coal wharf:
- 46 the elevated weighing bunker
- 47 the harbour railway (*Am.* harbor rail-road)
- 48 the coal depot
- 49-51 the coaling station:
- 49 the shunting platform
- 50 the coal chute
- 51 the falling track;
- 52 the loading bridge (gantry)

- 53 the jib (boom, arm);
- 54 a timber ship:
- 55 the deck cargo (deck load);
- 56 and 57 the timber wharf:
- 56 the timber storage sheds
- 57 the timber stock (*Am.* lumber wharf);
- 58 the harbour light
- 59-62 the oil wharf (mineral oil wharf, petroleum wharf):
- 59 the pipe bridge
- 60 the intermediate tank
- 61 the storage tank
- 62 the safety dam;

63-68 the transshipment,

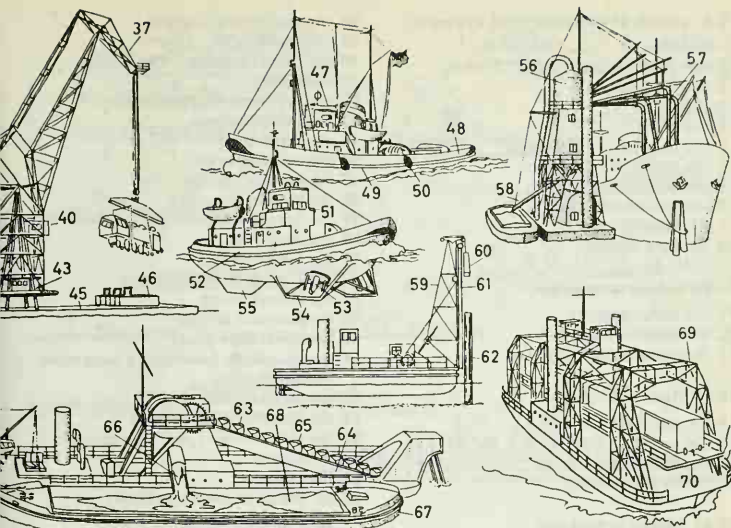
- 63 and 64 the banana elevator:
- 63 the conveyor belt
- 64 the conveyor bucket;
- 65 the banana cluster ('stick' of bananas)
- 66-68 the coal chute crane:
- 66 the lift platform (*Am.* elevator platform)
- 67 the boom (jib)
- 68 the coal distributor (coal trimmer)



Engl. harbour = Am. harbor

1-36 the loading and unloading of vessels,

- 1-21 dockside (quayside) activity,
 1-7 the slewing pillar crane (slewing portal crane):
 1 the column (slewing column)
 2 the jib (arm, boom)
 3 the rack (gear rack)
 4 the slewing gear
 5 the all-round-view cabin
 6 the toothed gear rim or gear ring
 7 the crane portal (gantry);
 8 the loading officer
 9 the harbour railway (*Am. harbor rail-road*)
 10 the loading wharf
 11 the car slings
 12 the fork truck (fork lift):
 13 the lifting device;
 14 the loading net
 15 the trolley
 16 the cargo hook
 17 the two-fingered leather mitten
 18 the barrow
 19 the wall crane:
 20 the weight
 21 the crane hook;
 22-36 work in the wharf shed:
 22 the shed foreman (stevedore)
 23 the docker (dock labourer, *Am. dock laborer, longshoreman*)
 24 the water clerk
 25 the bill of lading
 26 the weigher
 27 the tallyman (cargo-checker, tally clerk)
 28 the yardstick
 29 the bale gauge (*Am. bale gage*), a measuring device
 30-36 the shed (wharf shed, transit shed):
 30 the entrance (shed entrance)
 31 the sliding door (door)
 32 and 33 the weighbridge:
 32 the platform scale (underfloor scale)
 33 the balance column;



- 34 the bale (bale of goods)
 35 the mark (identification mark)
 36 the lot (stack, pile);

37-70 special harbour boats or vessels,

- 37-46 the floating crane:
 37 the jib
 38 the balance weight (counterweight)
 39 the adjusting spindle
 40 the crane-driver's cabin
 41 the crane frame
 42 the power cabin
 43 the conning bridge
 44 the turntable
 45 the pontoon, a pram
 46 the engine superstructure;
 47-50 the ocean-going tug:
 47 the wind dodger (splash dodger)
 48 the rubbing strake
 49 the port side (*form.* larboard) [port
 = on the left]
 50 the fender;
 51-55 the harbour tug, a harbour tow
 boat:
 51 the wind-deflecting screens

- 52 the starboard side [starboard = on the
 right]
 53 the Voith-Schneider propulsion
 54 the propeller guard
 55 the fixed deep keel;
 56-58 the grain-elevator:
 56 the container (silo)
 57 the suction pipe
 58 the loading pipe;
 59-62 the pile-driver:
 59 the ram framework
 60 the ramming weight (ram, tup, beetle
 head, rammer)
 61 the guide
 62 the tilting (rocker, pivoting) bearing;
 63-68 the bucket dredger, a dredger:
 63 the bucket chain
 64 the bucket conveyor
 65 the bucket (scoop)
 66 the chute
 67 the hopper
 68 the dredged material;
 69 and 70 the train ferry:
 69 the hoisting frame
 70 the lift platform (hoisting platform)

222 Warships (Fighting Ships, Men-of-war) I

1-8 auxilliary vessels and support ships,

- 1 the dock landing ship [*U.S.* type];
- 2 the well deck
- 3 the hull
- 4 the crane;
- 5 the icebreaker [*U.S.* type];
- 6 the helicopter platform
- 7 the lattice mast
- 8 the ice-breaking bows;
- 9 the landing craft;
- 10 the bow doors;

11-13 minor warships,

- 11 the minesweeper;
- 12 the boats' davits;
- 13 the escort vessel (frigate);

14-17 light warships,

- 14 the small destroyer;
- 15 the torpedo tubes;
- 16 the fleet destroyer
- 17 the large destroyer;

18-64 heavy warships,

- 18-20 submarines (*Am. coll. sub*):
- 18 the coastal submarine
- 19 the ocean-going submarine
- 20 the nuclear submarine;

21-30 cruisers,

- 21 the light cruiser;
- 22 the whip aerial;
- 23 the heavy cruiser;
- 24 the twin turret, a gun turret
- 25 the tripod mast;
- 26 the battle cruiser;
- 27 the triple turret
- 28 the catapult
- 29 the aircraft crane
- 30 the aircraft hanger;

31-64 heavily armoured ships (*Am.* armored ships; capital ships),

- 31 the battleship,
- 32-35 the ship's armament:
- 32 the main armament
- 33 the secondary armament (medium-calibre guns, *Am.* medium-caliber guns)
- 34 the light guns
- 35 the automatic A.A. (anti-aircraft) guns of the anti-aircraft defence (*Am.* defense);
- 36 the range-finder for the heavy guns
- 37 the range-finder for the medium and light guns

38 the searchlight platform

39 the searchlight

40 the funnel capping (*Am.* smoke stack cap)

41 the superimposed gun turret

42 the splinter screen

43 the turret mast

44 the conning tower

45 the captain's bridge

46 the breakwater

47 the boat derrick

48 the deck plan:

49 the fixed catapult

50 the aircraft storage position

51 the aircraft crane

52 the fore-and-aft line;

53 the lower deck plan:

54 the watertight bulkhead, a transverse bulkhead

55 the compartment

56 the longitudinal bulkhead

57 the side armour (*Am.* side armor)

58 the blister

59 the barbette

60-63 the propulsion machinery:

60 the engine room

61 the marine diesel engine

62 the gear room

63 the gearing;

64 the monitor;

65-77 the aircraft-carrier,

65 the bow elevation:

66 the sponson

67 the aircraft lift (*Am.* aircraft elevator)

68 the island superstructure;

69-74 the flight deck (*Am.* flying deck):

69 the landing deck

70 the landing runway

71 the arrester wires (*Am.* arresting gear, deck brake)

72 the take-off deck

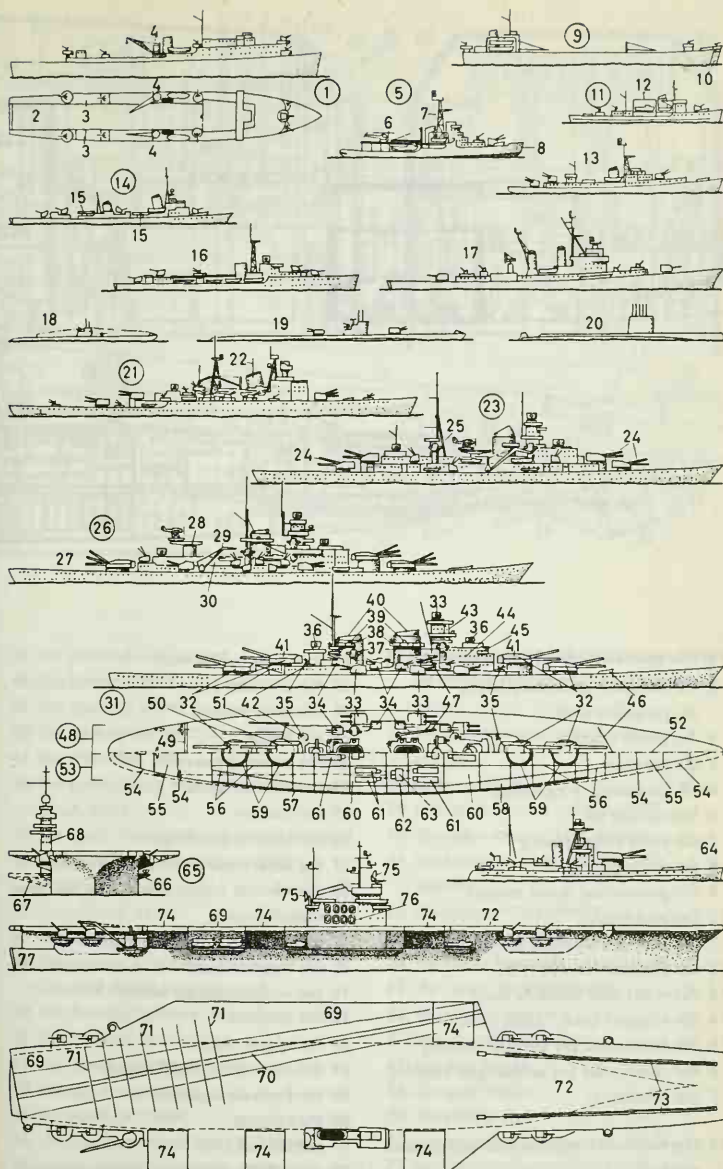
73 the catapult

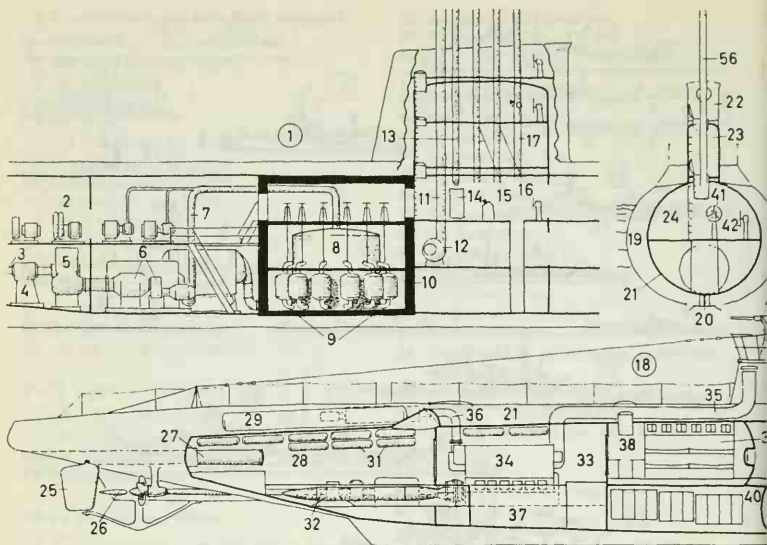
74 the aircraft lift (*Am.* aircraft elevator);

75 the radar unit

76 the life-saving raft

77 the counter



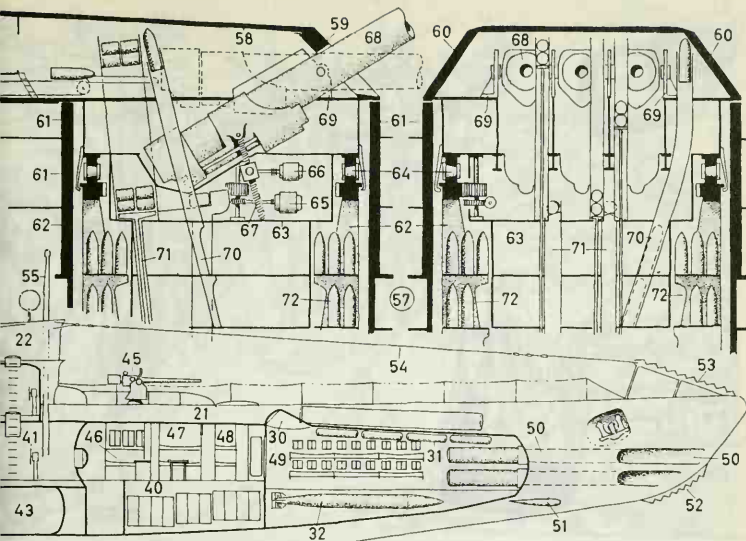


1 the nuclear submarine [midships]:

- 2 the auxiliary machinery room
- 3 the propeller shaft
- 4 the thrust bearing
- 5 the gearing
- 6-10 the nuclear propulsion:
- 6 the turbine set
- 7 the main steam piping
- 8 the steam generator
- 9 the pressurised water reactor
- 10 the lead shield;
- 11 the snort (schnorkel, snorkel)
- 12 the fresh-air blower
- 13 the aerial lead (antenna lead)
- 14 the wireless (*Am.* radio) cabin
- 15 the radar mast for surface running
- 16 the radar mast for submerged running
- 17 the periscope;

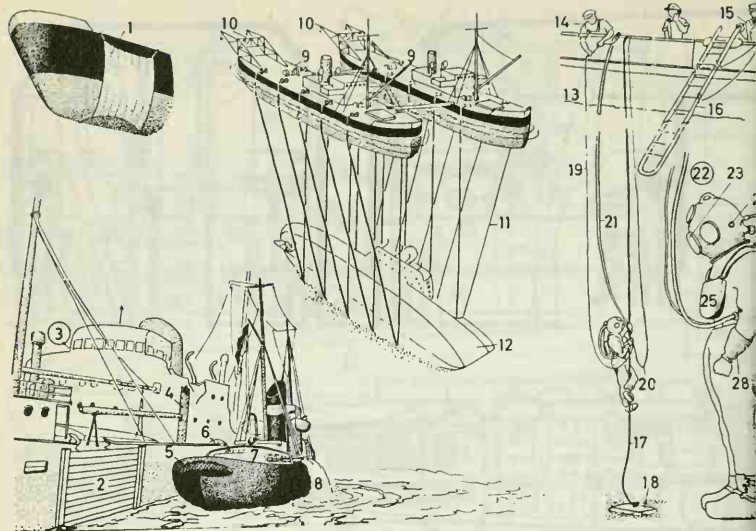
18 the submarine [cross and longitudinal section]:

- 19 the main ballast tank
- 20 the flooding valve
- 21 the pressure hull
- 22 the bridge
- 23 the conning tower
- 24 the control room
- 25 the rudder
- 26 the after hydroplane
- 27 the stern torpedo tube (stern tube)
- 28 the electric motor room and the stern torpedo room
- 29 the torpedo stowage compartment
- 30 the torpedo hatch
- 31 the compressed-air bottle
- 32 the torpedo
- 33 the engine room
- 34 the submarine diesel engine
- 35 the fresh-air inductor
- 36 the exhaust
- 37 the oil fuel tank
- 38 the galley; *on merchant vessels*: caboose



- 39 the petty officers' mess
- 40 the battery room
- 41 the steering wheel
- 42 the hydroplane control
- 43 the trimming tank
- 44 the quick-firing anti-aircraft gun (A.A. gun)
- 45 the quick-firing gun (*Am.* rapid-fire gun)
- 46 the captain's (*Am.* commanding officer's) cabin
- 47 the officers' cabin
- 48 the chief petty officer's cabin
- 49 the seamen's (sailors') mess and the forward (bow) torpedo room
- 50 the forward torpedo tube (bow tube)
- 51 the forward hydroplane
- 52 the lower net-cutter
- 53 the upper net-cutter
- 54 the aerial (antenna)
- 55 the low-power (attack) periscope
- 56 the high-power (search) periscope;

- 57 the armoured (*Am.* armored) triple rotating turret of the main armament,
- 58-60 the rotating armour (*Am.* armor):
- 58 the turret top
- 59 the front armour (*Am.* armor)
- 60 the side armour (*Am.* armor);
- 61 the barbettes (stack armour, *Am.* armor)
- 62 the supporting cylinder
- 63 the turret turntable
- 64 the roller bearings
- 65 the turret training motor
- 66 the elevating motor
- 67 the elevating spindle
- 68 the gun barrel
- 69 the gun cradle
- 70 the shell hoist
- 71 the cartridge hoist
- 72 ammunition in readiness



1 and 2 stopping a leak:

- 1 the sail over the leak, a tarpaulin
- 2 the patch of beams, boards, and a tarpaulin;
- 3 the wrecked vessel, a damaged ship;
- 4 the damage;
- 5-8 the salvage vessel:
- 5 the stern fender
- 6 the suction pipe
- 7 the pump-hold
- 8 the pumped-out water;

9-12 raising a wreck (lifting a wreck):

- 9 the raising ship (salvage vessel)
- 10 the stern crane
- 11 the lifting rope
- 12 the wreck secured below;

13-19 diving (deep-sea diving):

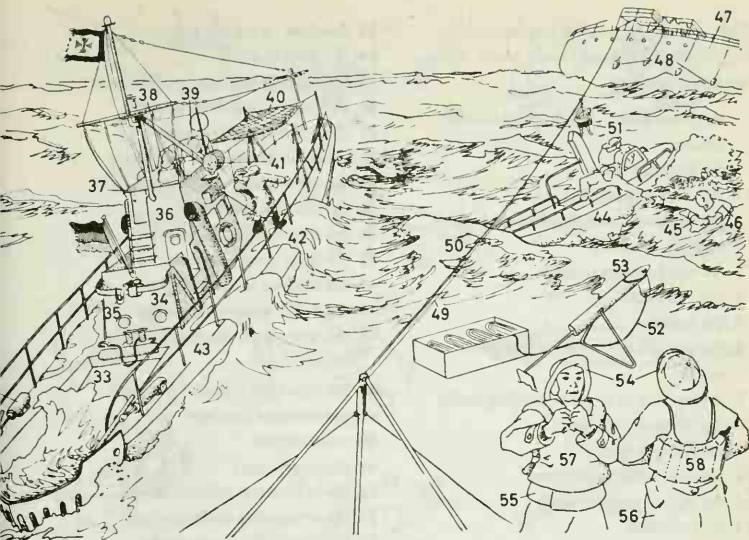
- 13 the diving boat

- 14 the surface crew (tender crew, *Am.* wrecking crew)

- 15 the salvage inspector
- 16 the diver's ladder
- 17 the descending line
- 18 the descending-line weight
- 19 the communication cord;

20-30 the diver's outfit (equipment of the deep-sea diver):

- 20 the telephone wire (*Am.* telephone cord)
- 21 the air tube
- 22 the diving helmet (diver's helmet);
- 23 the observation window
- 24 the air outlet valve;
- 25 the breast weight
- 26 the back weight
- 27 the diving suit (diver's suit);
- 28 the waterproof cuff



- 29 the lower weight
30 the diver's boots;

31-43 the lifeboat, a motor lifeboat:

- 31 the hinged stern
32 the hoisting and lowering device
33 the well (stowage for daughter boat)
34 the towing bar
35 the towing hook
36 the wheelhouse
37 the bridge
38 the coxswain
39 the helmsman
40 the jumping net
41 the signal lamp
42 the lamp shelf
43 the watertight deck;
44 the daughter boat
45 the life-belt (life buoy)
46 the shipwrecked man

- 47 the stranded (wrecked) ship (ship run aground, shipwreck)
48 the oil bag for trickling oil on the water surface
49 the life line (life rope)
50 the hauling line (whip), an endless rope
51 the breeches buoy

52 and 53 the rocket apparatus (life mortar, line-throwing gun):

- 52 the throwing line
53 the rocket;

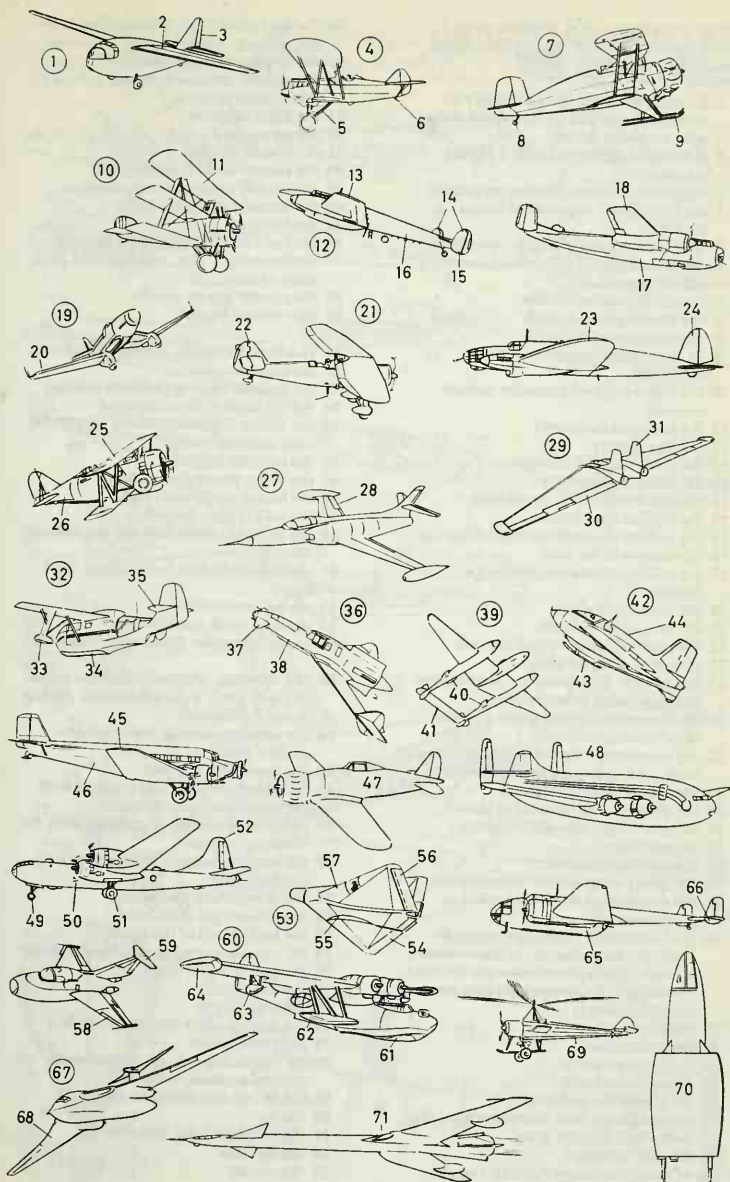
54-56 the oilskins (oils):

- 54 the southwester (sou'wester)
55 the oilskin jacket
56 the oilskin coat;
57 the life jacket
58 the cork jacket (cork life-belt), a life-belt (Am. life-preserver)

Engl. aeroplane = *Am.* airplane, ship;

Engl. and Am. aircraft, craft, plane, flying machine, machine

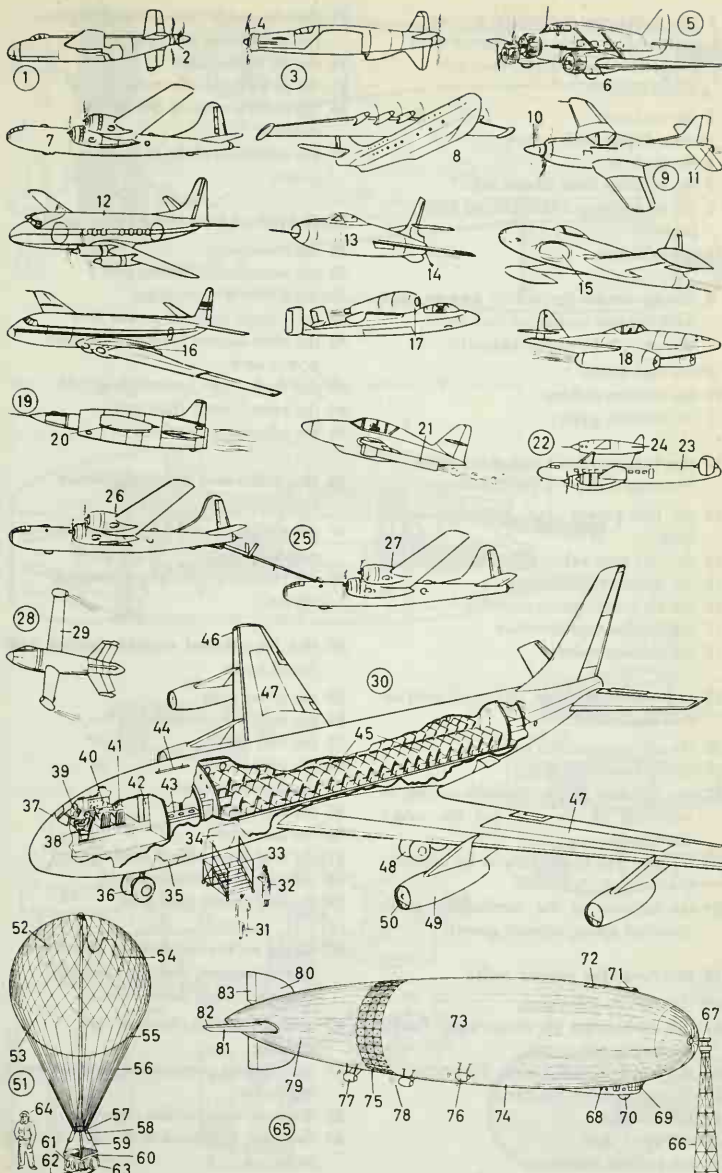
- 1 the monoplane, a high-wing monoplane;
- 2 the high-set wing
- 3 the conventional fin;
- 4 the sesquiplane (*Am.* one-and-a-half plane) [obsolete];
- 5 the fixed undercarriage
- 6 the tail skid;
- 7 the biplane;
- 8 the aircraft tail-wheel (*Am.* stern wheel)
- 9 the landing skid (*Am.* landing sled);
- 10 the triplane [obsolete];
- 11 the straight wing;
- 12 the low-wing monoplane;
- 13 the square tapered wing
- 14 the twin fins
- 15 the outboard tail fin
- 16 the torpedo-shaped fuselage;
- 17 the suspended fuselage
- 18 the round-tapered wing
- 19 the mid-wing aircraft (*Am.* semi-high wing monoplane);
- 20 the gull (cranked) wing;
- 21 the parasol-wing aircraft;
- 22 the short fin;
- 23 the oval wing
- 24 the high (tall) fin
- 25 the rectangular wing
- 26 the barrel-shaped fuselage
- 27 the swept-back (arrow-type) wing aircraft (*Am.* sweep-back airplane);
- 28 the swept-back wing (*Am.* sweep-back wing);
- 29 the tailless delta-type (delta-wing) aircraft ('flying wing');
- 30 the delta wing
- 31 the tailless fin;
- 32 the amphibian (amphibious aircraft), a landplane and seaplane (land and sea aircraft);
- 33 the float (wing-tip float)
- 34 the deep hull
- 35 the tapered tailplane and elevator;
- 36 the canard (tail-first) aircraft;
- 37 the tailplane in the nose
- 38 the canard nose;
- 39 the twin-boom aircraft;
- 40 the tail unit bearers
- 41 the rectangular tailplane;
- 42 the high-speed aircraft;
- 43 the landing skid (runner)
- 44 the bullet-shaped fuselage;
- 45 the wing with marked dihedral angle
- 46 the box-type (square) fuselage
- 47 the humped fuselage
- 48 the triple fin
- 49 the nose wheel
- 50 the cylindrical (slim) fuselage
- 51 the retractable undercarriage
- 52 the faired-in fin and rudder
- 53 the delta aircraft;
- 54 the delta wing
- 55 the wing fence for boundary layer control
- 56 the delta tail unit
- 57 the delta-shaped fuselage;
- 58 the slotted wing
- 59 the T-tail unit
- 60 the flying boat;
- 61 the flying boat hull
- 62 the stub wing (sponson)
- 63 the subsidiary float (hydro stabilizer)
- 64 the wing-tip (outboard) float;
- 65 the tadpole-shaped fuselage
- 66 the twin tail unit
- 67 the crescent-wing (scimitar-wing) aircraft;
- 68 the crescent wing (scimitar wing);
- 69 the autogiro (autogyro, gyroplane)
- 70 the coleopter aircraft with turbojet propulsion
- 71 the atomic aircraft with aircraft reactor



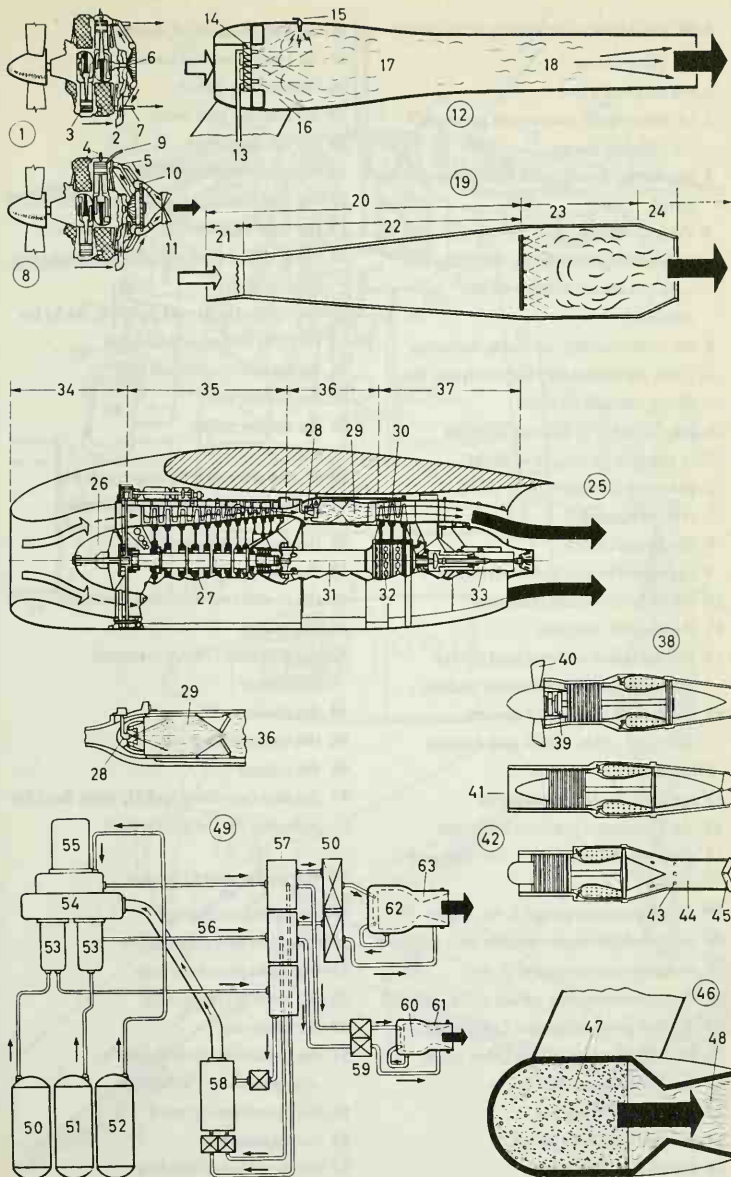
Engl. aeroplane = *Am.* airplane, ship;
Engl. and Am. aircraft, craft, plane, flying
machine, machine

- 1-8 airscrew-driven (propeller-driven)
aeroplanes (aircraft with airscrew drive,
with propeller drive),
- 1 the single-engined aircraft, a pusher
aircraft;
- 2 the pusher airscrew (pusher propeller);
- 3 the twin (two) engined (bi-motor)
aircraft;
- 4 the tractor airscrew (tractor propeller);
- 5 the three-engined (tri-motor) aircraft, a
tractor aircraft;
- 6 the aircraft engine nacelle;
- 7 the four-engined aircraft
- 8 the six-engined aircraft;
- 9-12 turboprop (propeller-turbine)
aeroplanes,
- 9 the single-engined propeller-turbine
aircraft;
- 10 the propeller (airscrew)
- 11 the jet exhaust;
- 12 the multi-engined turboprop;
- 13-18 turbine aeroplanes:
- 13 the turbine air intake in the nose
- 14 the turbine after-burner
- 15 the turbine air intake on side of fuselage
- 16 the turbine in the wing
- 17 the turbine superstructure on the
fuselage
- 18 the turbine nacelle;
- 19-21 ram-jet aeroplanes,
- 19 the ram-jet barrel-shaped aircraft:
- 20 the outer-wing turbine;
- 21 the aircraft with pulse-jet (intermittent
jet) tube (with pulsojet tube);
- 22-24 the carrier arrangement ('parent-
child' arrangement),
- 22 the composite ('parent-child', pick-a-
back, *Am. pop.* piggyback) aircraft;
- 23 the carrier (parent) aircraft
- 24 the plane carried by another aircraft;
- 25 air refuelling (*Am.* air refueling);
- 26 the air tanker
- 27 the receiving aircraft;
- 28 the rotary wing aircraft (rotorplane):
- 29 the rotor wings rotated by reaction-
propulsion jets;
- 30 the commercial (passenger) aircraft
(airliner; transatlantic, or transoceanic,
aircraft; stratosphere passenger aircraft;
stratoliner, *Am.* oversea airplane, ocean-
going seaplane):
- 31 the air passenger
- 32 the stewardess
- 33 the entrance steps
- 34 the entrance hatch
- 35 the aircraft cargo hatch
- 36 the stabilizing nose undercarriage (*Am.*
nosewheel ground gear)
- 37 the pilot's cockpit
- 38-41 the aircraft crew (aircraft comple-
ment, *Am.* aircrew):

- 38 the first pilot (*Am.* aviator, flyer, *Am.*
mil. airman; pilot)
- 39 the co-pilot (second pilot)
- 40 the aircraft wireless operator (*Am.* air-
plane radio operator)
- 41 the flight engineer;
- 42 the stewardess' cabin
- 43 the aircraft kitchen
- 44 the aircraft aerial (antenna) unit
- 45 the aircraft passenger compartment
- 46 the aircraft navigation light
- 47 the fuel tank
- 48 the main landing gear (main landing
undercarriage, *Am.* main ground gear,
main chassis)
- 49 the aircraft engine nacelle
- 50 the turbojet engine;
- 51 the free balloon, a dirigible balloon:
- 52 the balloon cover
- 53 the balloon rigging (balloon netting)
- 54 the rip panel with the rip cord
- 55 the filling (inflation) sleeve (appendix,
Am. inflation neck)
- 56 the running rigging
- 57 the filling sleeve cord or line
- 58 the basket ring (load ring)
- 59 the basket rope or cord
- 60 the balloon basket (balloon car, balloon
nacelle)
- 61 the balloon ballast [sand ballast, sand
bags]
- 62 the balloon anchor
- 63 the drag (trail, guide) rope;
- 64 the balloon pilot (balloonist, ballooner)
- 65 the airship (Zeppelin airship, zeppen-
lin, *coll.* zep), a dirigible rigid airship
(a rigid dirigible):
- 66 the airship-mooring mast (airship
anchor mast)
- 67 the mast-mooring gear
- 68 the passenger nacelle or gondola with
the passenger compartments
- 69 the control nacelle or gondola with the
airship pilot post
- 70 the landing bumper (*Am.* pneumatic
bumping bag)
- 71 the observation platform
- 72 the exhaust gas shaft hood
- 73 the body (hull) of the airship
- 74 the outside covering (airship envelope)
- 75 the gas cells (gas bags)
- 76 the side nacelle
- 77 the rear nacelle
- 78 the airship screw (airship propeller)
- 79 the airship stern
- 80-83 the airship tail unit (empennage,
control surfaces, controls),
- 80 and 81 the stabilizing surfaces:
- 80 the fin
- 81 the tailplane (*Am.* stabilizer);
- 82 the elevator
- 83 the rudder



- 1 the airscrew (propeller) power unit** with piston engine (piston aero engine), a twin (double, two) row radial engine;
- 2 the air intake**
- 3 the cylinder with piston**
- 4 the ignition**
- 5 the cylinder inlet (manifold)**
- 6 the supercharger (blower, air compressor)**
- 7 the exhaust;**
- 8 the airscrew (propeller) power unit** with exhaust turbine-driven supercharger (turbo-supercharger):
- 9 the fuel intake**
- 10 the exhaust turbine**
- 11 the exhaust gases;**
- 12 the intermittent pulse-jet tube** (pulsojet tube, V-1 propulsion):
- 13 the fuel piping (fuel lead, fuel manifold)**
- 14 the fuel inlet valve, a flap valve**
- 15 the ignition**
- 16 the air compression chamber**
- 17 the combustion chamber**
- 18 the exhaust valve;**
- 19 the ram-jet tube** (athodyd, propulsive duct tube):
- 20 the air compression stage**
- 21 the air intake (air duct)**
- 22 the increase of air pressure owing to widening of the duct (of the tube's diameter)**
- 23 the increase in air volume by combustion**
- 24 the exhaust of the combustion gases (reaction gases, exhaust gases);**
- 25 the turbojet power unit:**
- 26 the turbine self-starter**
- 27 the multi-stage air compressor (series compressors)**
- 28 the fuel injection nozzle (fuel jet)**
- 29 the combustion chamber**
- 30 the turbojet**
- 31 the drive shaft**
- 32 the turbine bearing**
- 33 the adjustable thrust (exhaust, propelling, discharge) cone**
- 34 the air intake stage**
- 35 the air compression stage**
- 36 the combustion of the air-fuel-mixture**
- 37 the expulsion of the exhaust gases;**
- 38-45 typical turbine power units,**
- 38 the turboprop;**
- 39 the airscrew reduction gear**
- 40 the airscrew (propeller)**
- 41 the simple turbojet power unit**
- 42 the after-burner (re-heat) turbojet power unit;**
- 43 the flash plug (igniter plug)**
- 44 the after-burner (ram-jet)**
- 45 the adjustable nozzle or jet;**
- 46 the solid-fuel rocket** (powder rocket):
- 47 the rocket propulsive (rocket propulsion) charge**
- 48 the conical nozzle or jet (venturi, tuyere);**
- 49 the liquid-fuel rocket** (rocket with liquid fuel):
- 50 the water tank**
- 51 the oxidiser (oxidizer)**
- 52 the fuel tank**
- 53 the pump unit**
- 54 the steam turbine**
- 55 the electric starter**
- 56 the fuel pipe**
- 57 the fuel (propellant) feed control**
- 58 the gas steam generator**
- 59 the fuel nozzle (fuel jet)**
- 60-63 the rocket combustion chambers** (blast chamber, reaction chamber, thrust cylinder, flame tubes):
- 60 the combustion chamber for cruising**
- 61 the cruising combustion chamber cooling jacket**
- 62 the main combustion chamber**
- 63 the main combustion chamber cooling jacket**



1-38 the pilot's cockpit (pilot's cabin):

- 1 the pilot's seat
- 2 the co-pilot's seat
- 3-16 the aircraft instrument panel or blind flying panel:
- 3 the direction indicator (directional gyro)
- 4 the artificial horizon (gyro-horizon indicator) for verifying the flying attitude (ascent or descent of the machine)
- 5 the turn-and-slip, or bank, indicator (*Am.* inclinometer) for verifying the flying altitude in turns
- 6 the altimeter to indicate changes in altitude (in height of flight)
- 7 the autopilot (automatic pilot, *Am.* navigator)
- 8 the aircraft clock
- 9 the sensitive and coarse altimeter
- 10 the radio direction indicator
- 11 the aircraft compass
- 12 the deviation table or card for the corrections to the compass reading
- 13 the rate of climb and descent indicator (*Am.* climb and descent indicator)
- 14 the outside air thermometer
- 15 the pneumatic pressure indicator
- 16 the airspeed indicator (*Am.* airspeed meter);
- 17 the oil pressure gauge (*Am.* gage)
- 18 the revolutions-per-minute (rev. min) indicator (revo-counter)
- 19 the oil temperature gauge (*Am.* gage)
- 20 the fuel pressure gauge (*Am.* gage)
- 21 the fuel contents gauge (*Am.* gage)
- 22 the fire-extinguisher knob
- 23 the hand pump lever
- 24 the fuel injection pump
- 25 the oil injection pump

26 the fuel level visual indicator

27 the battery master switch

28 the ignition switch

29 the landing gear lever

30 the throttle lever

31 the mixture control lever

32 the fuel cock for fuel feed control

33 the nose or tail wheel release lever

34 the coupled control columns; *inside*: the aileron shafts

35 the control column (joystick, stick) for elevator and aileron control

36 the elevator push-pull rod

37 the rudder bar

38 the rudder pedal;

39-47 the aircraft flying-controls system and control surfaces:

39 the elevator push-pull rod

40 the aileron rod

41 the dorsal (vertical) fin or stabilizer

42 the rudder

43 the tailplane (*Am.* horizontal stabilizer)

44 the elevator

45 the aircraft wing unit

46 the aileron

47 the flap (auxiliary airfoil, wing flap) for reducing the landing speed;

48 the parachute (chute):

49 the parachute canopy

50 the parachute rigging line

51 the outer parachute bag

52 the main carrying rope

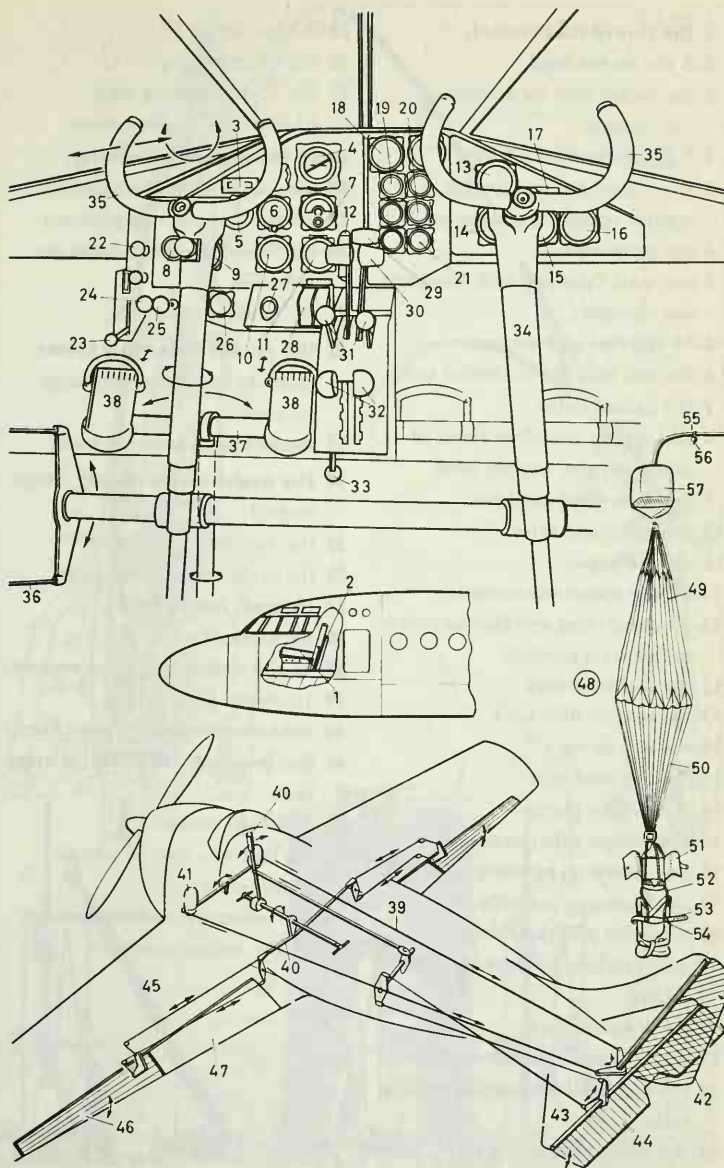
53 the main ring

54 the parachute (parachutist's, *Am.* parachuter's) harness

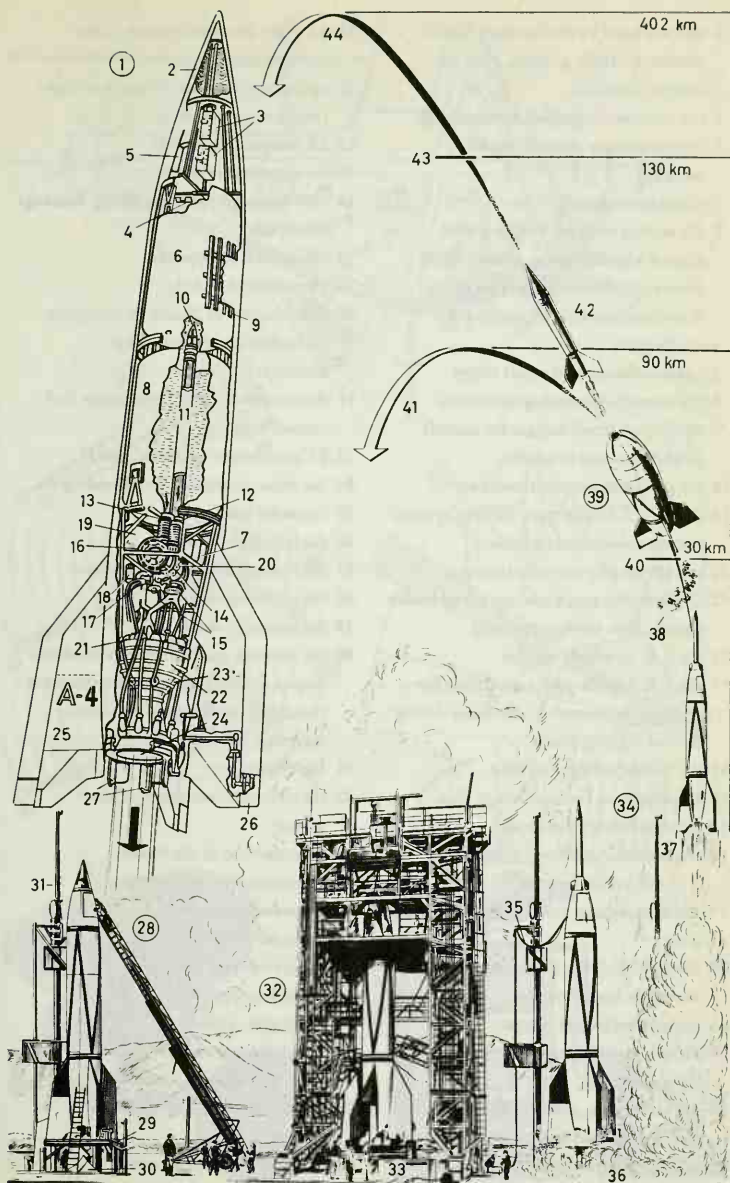
55 the parachute rip cord

56 the locking pin

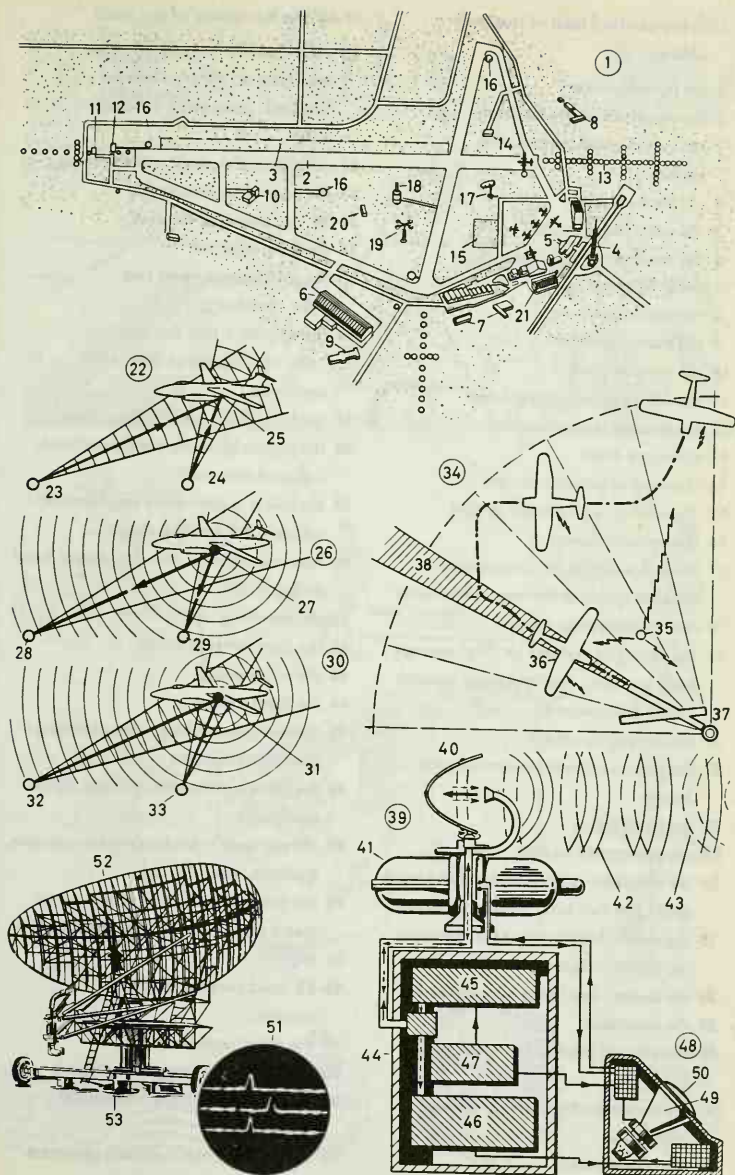
57 the inner parachute bag



- 1 the liquid-fuel rocket,**
- 2-5 the rocket head:
 - 2 the rocket nose for recording instruments
- 3-5 the instrument section:
 - 3 the control element (rocket control operating mechanism)
 - 4 the gyroscope
 - 5 the steel cylinders with compressed nitrogen;
- 6-11 the fuel tank section:
 - 6 the fuel tank (ethyl-alcohol tank)
 - 7 the helium tanks
 - 8 the oxygen container (tank of liquid oxygen, oxygen tank)
 - 9 the glass wool insulation
 - 10 the automatic valve
 - 11 the fuel pipe;
- 12-27 the rocket tail section,
- 12-24 the driving unit (rocket power unit, rocket motor):
 - 12 the fuel-filler neck
 - 13 the oxygen-filler neck
 - 14 the fuel pump
 - 15 the fuel feed-pipe
 - 16 the oxygen pump
 - 17 the oxygen distributor
 - 18 the potassium permanganate tank
 - 19 the hydrogen peroxide tank
 - 20 the steam generator with the steam turbine for operating the pumps
 - 21 the injector head
 - 22 the rocket combustion chamber
 - 23 the combustion chamber cooling jacket
 - 24 the thrust nozzle;
 - 25 the stabilizing fin
 - 26 the trimming flap
 - 27 the rocket steering vane, a heat-proof graphite vane;
- 28-31 the rocket-launching,**
- 28 the rocket ready for launching:
- 29 the rocket-launching platform
- 30 the blast-deflector (exhaust gas deflector)
- 31 the ignition cable pole;
- 32 the rocket assembly tower** (scaffold for assembling large rockets):
- 33 the fuel pipes from the tank;
- 34 the multi-stage rocket** (stage rocket):
 - 35 the electric power cable
 - 36 the preliminary rocket-stage
 - 37 the main rocket-stage
 - 38 the vapour trail
 - 39-42 the separation of the rockets,
 - 39 1st-stage rocket:
 - 40 the burn-out (end of power unit)
 - 41 the declining trajectory of stage one;
 - 42 2nd stage rocket;
 - 43 the burn-out (end of second power unit)
 - 44 the trajectory summit (summit of the rocket trajectory)



- 1 the airport [with customs] (aerodrome, aviation ground, *Am.* air-drome, airfield):
- 2 the runways (*Am. coll.* tarmacs)
- 3 the emergency (forced) landing runway
- 4 the radar scanner
- 5 the airport terminal building with airport administration offices, flight (aircraft) ticket office, airport operational control, airport restaurant
- 6 the hangar
- 7 the workshops and repair shops
- 8 the airport meteorological station
- 9 the airport repair hangar for aircraft inspections and overhauls
- 10 the precision approach radar set
- 11 the I. L. S. (instrument landing system) course-transmitter (localiser)
- 12 and 18 the airport radio beacons:
- 12 the radio beacon, a landing signal (radio signal, *Am.* landing marker)
- 13 the I. L. S. middle marker
- 14 the I. L. S. glide-path transmitter for guiding the aircraft in elevation during the last landing phase
- 15 the helicopter landing field
- 16 the telephone connections
- 17 the wind sock (wind cone)
- 18 the omni-range (omni-directional, V. O. R.) radio beacon
- 19 the anemometer (*Am.* hydrostatic wind gage)
- 20 the V. H. F. (very high frequency) radio direction finder station
- 21 the airport freight hangar;
- 22-53 air radio (aeronautical radio navigation service),
- 22-38 air traffic control procedures (air navigation aids) for bad visibility and blind (instrument) landing,
- 22-33 radio location systems (radio location service),
- 22 aircraft picking-up (fixing) bearings from two transmitters:
- 23, 24 transmitter I and II
- 25 the aircraft receiver;
- 26 two receivers finding (fixing) bearings of aircraft:
- 27 the aircraft transmitter
- 28, 29 receiver I and II;
- 30 combination of 22 and 26 (reception and reflection of I and II by aircraft):
- 31 the aircraft transmitter-receiver (*coll.* transceiver)
- 32, 33 transmitter-receiver I and II;
- 34 the radar-controlled blind landing:
- 35 the radar transmitter
- 36 the landing aircraft
- 37 the surveillance radar equipment
- 38 the precision radar set;
- 39 the scanning radar set:
- 40 the rotating radar scanner, a parabolic mirror for the collection and direction (beaming, focusing) of the electromagnetic waves
- 41 the driving unit
- 42 the emission (radiation) of the waves
- 43 the reflection of the waves
- 44 the transmitter-receiver case
- 45 the radar transmitter
- 46 the radar receiver
- 47 the controlling device;
- 48 the radarscope:
- 49 the Braun cathode-ray tube
- 50 the electronic map;
- 51 the radar map
- 52 the frame-built parabolic radar mirror
- 53 the rotational mirror tower

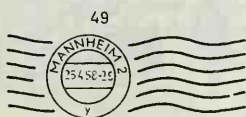
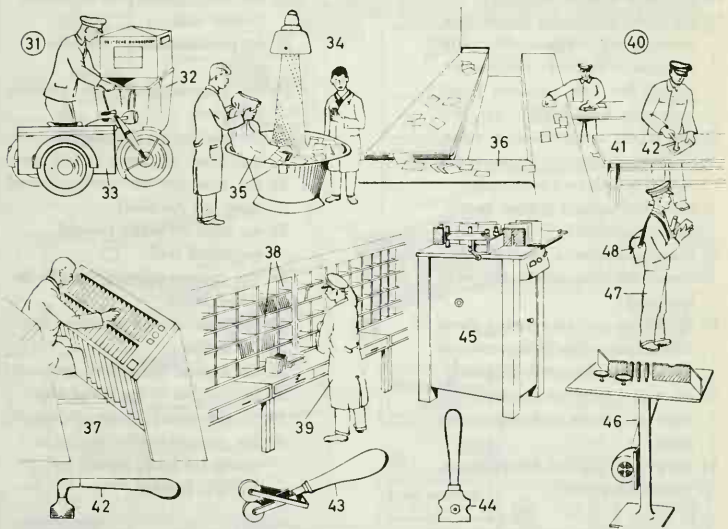
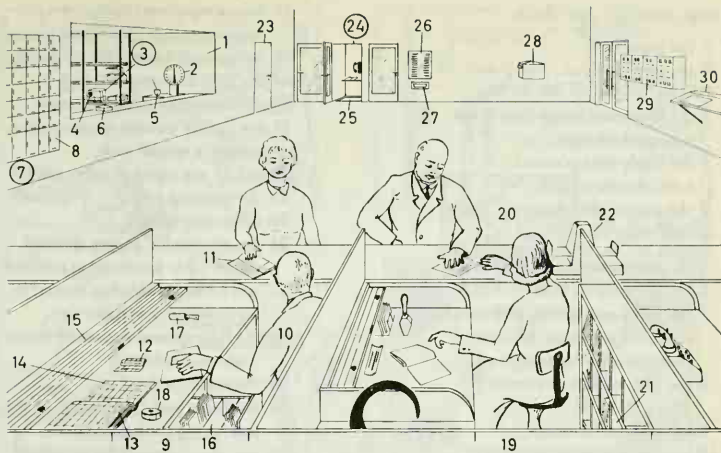


1-30 the central hall of the post office:

- 1 the parcel counter
- 2 the parcel-weighing machine
- 3 the parcel (postal parcel, *Am.* package):
- 4 the stick-on label;
- 5 the paste pot (glue pot)
- 6 the small parcel (packet)
- 7 the P. O. boxes:
- 8 the post-office box;
- 9 the stamps position
- 10 the counter clerk
- 11 the certificate of posting book
- 12 the postage stamp booklet
- 13 the stamp folio
- 14 the sheet of postage stamps
- 15 the roll top, a protective shutter
- 16 the counter drawer
- 17 the sample (*form. in Germany* sample without value) in the sample container
- 18 the roll of postage stamps
- 19 the paying-in counter (*in Engl.* savings bank position), *also* : pensions counter (pensions position)
- 20 the telegram position
- 21 the pigeon holes for poste-restante letters
- 22 the letter scales
- 23 the postmaster's office
- 24 the telephone call box for local and trunk calls (*Am.* call box, telephone booth):
- 25 the tread (floor) contact for switching on the cabin light;
- 26 the notice; *here* : a list of postal rates
- 27 the letter slot
- 28 the air-mail posting box (*Am.* airmail box)
- 29 the stamp machine (stamp selling machine)
- 30 the writing desk;

31-46 the handling of the mail,

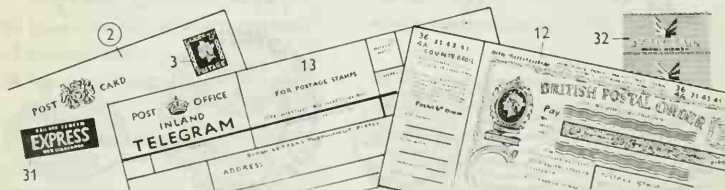
- 31 the collection from (clearing of, emptying of) the post box [in England: pillar box, *Am.* mail box]:
- 32 the letter (*Am.* mail) collection bag
- 33 the post-office motorcycle;
- 34-39 the sorting of the mail:
- 34 the dust-extractor
- 35 the mail from the post box (*Am.* mail box)
- 36 the conveyor belt for letters (*Am.* mail conveyor belt), a belt conveyor
- 37 the letter (*Am.* mail) sorting frame
- 38 the pigeon holes for bundles of local, line, and area, mail
- 39 the sorter, a post-office employee or official (*Am.* mailing clerk);
- 40 hand cancellation (hand stamping, hand obliteration):
- 41 the stamping table
- 42 the hammer-type stamp;
- 43 the roller stamp
- 44 the hand stamp
- 45 the stamp cancelling (*Am.* canceling; stamping) machine
- 46 the franking machine (postage meter machine);
- 47 the postman (*Am.* letter-carrier, carrier, mailman, mail-carrier)
- 48 the postman's delivery pouch (postman's bag, *Am.* mail bag, mailman's bag)
- 49-52 hand postmarks (hand cancels):
- 49 the roller postmark
- 50 the local advertisement postmark
- 51 the special postmark (occasional postmark)
- 52 the railway (*Am.* railroad) postmark



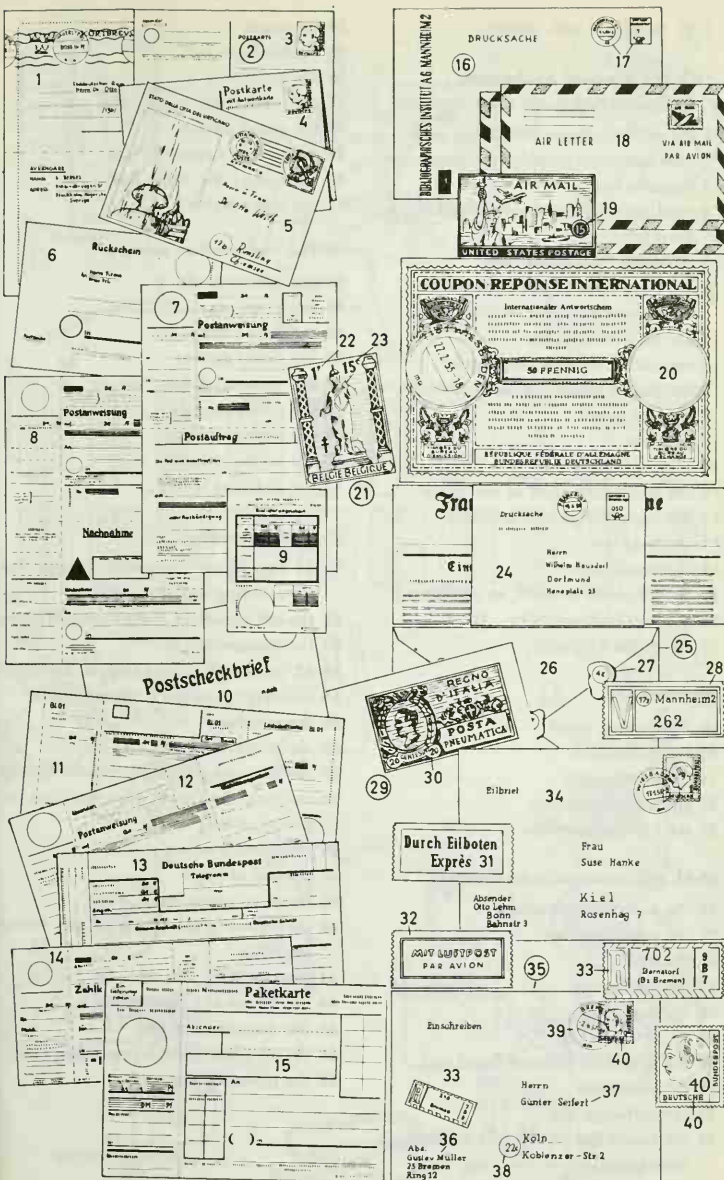
Engl. cheque = Am. check

- 1 the letter card
- 2 the postcard (p. c., Am. postal card);
- 3 the imprinted stamp (imprinted post-paid stamp);
- 4 the reply-paid postcard (Am. double card)
- 5 the picture postcard (Am. postal card with view)
- 6-15 postal forms (Am. blanks):**
- 6 the receipt post card
- 7 the form authorizing postman to collect money from addressee [unknown in England]
- 8 the cash-on-delivery form (C. O. D. form)
- 9 the post-office receipt
- 10 the postal cheque envelope
- 11 the postal cheque for transferring money from one post-office bank account to another; *sim.* postal cheque for cash payment [both unknown in England]
- 12 the postal order (money order, Am. postal note) [in Germany the money is delivered by the postman; in England it must be collected from the P. O.]
- 13 the telegram (wire, telegram form, Am. telegraph blank; *form.* telegraph)
- 14 the money order for paying direct into the post-office bank account of the payee [unknown in England]
- 15 the parcel form [in England only used for parcels to foreign countries];
- 16 the printed papers (Am. printings, third-class matter):

- 17 the postage meter stamp (Am. postal meter stamps; post-paid stamp);
- 18 the air-mail letter (Am. air letter)
- 19 the air-mail stamp [U. S. A.]
- 20 the international reply coupon
- 21 the charity postage stamp (surtax stamp), a special issue,
- 22 and 23 the nominal value (face value):
- 22 the franking value
- 23 the charity surtax;
- 24 the newspaper packet, printed matter (Am. printings) at reduced rate (Am. second-class matter) in the newspaper wrapper
- 25 the fully insured registered letter (Am. money letter):
- 26 the envelope flap
- 27 the letter seal (impression of the seal on the sealing wax);
- 28 the label ('sticker') for registered insured mail
- 29 the pneumatic letter (tubular letter):
- 30 the pneumatic-dispatch postage stamp;
- 31 the label for express mail (express-mail label) [Express, By Express]
- 32 the label for air mail (air-mail label) [By Air Mail]
- 33 the label for partly insured registered mail
- 34 the express-delivery (special-delivery) letter
- 35 the partly insured registered letter:
- 36 the sender
- 37 the address (addressee, recipient)
- 38 the number of the postal area
- 39 the date stamp (postmark, cancel)
- 40 the postage stamp (stamp), a stamp for local, inland, or foreign, postage



in England



1-51 telephone (*coll.* 'phone),

1-17 the manual exchange,

a telephone exchange (*Am.* central),

1 the public call-box (telephone kiosk, *Am.* telephone booth), a call-box;

2 the coin box

3 the telephone directory (*Am.* telephone book);

4 the caller (telephone-user)

5 the lamp signalling switchboard;
form. drop indicator switchboard,

6-12 the switchboard:

6 the calling lamp, a lamp signal

7 the jack, a spring-contact switch

8 the face panel

9 the plug

10 the keyshelf

11 the connecting cord of two plugs

12 the key (change-over switch);

13 the head set;

14 the mouthpiece

15 the telephone receiver, an earphone;

16 the telephone operator

17 the called telephone;

18 the dial:

19 the driving wheel

20 the worm shaft

21 the impulse cam

22 the restoring spring

23 the impulse contacts;

24-41 the automatic exchange,

24 the automatic telephone;

25 the telephone case

26 the dial

27 the finger plate

28 the finger stop

29 the rest (cradle)

30 the telephone receiver (hand set);

31 the subscriber

32 the exchange line

33 the rotary line switch (the subscriber's
uniselect)

34 the wiper

35 the bank contact

36 the wiper hub

37 the trunk (*Am.* trunk lines)

38 the group selector

39 the contact banks

40 the trunk (*Am.* trunk line)

41 the final selector;

42 the two motion selector:

43 the selector shaft

44 the wiper

45 the bank contact

46 the rotary ratchet

47 the vertical ratchet

48 the rotary magnet

49 the vertical magnet

50 the release magnet

51 the restoring spring;

52-67 telegraphy,

52-64 the Morse telegraph system for
transmitting and receiving:

52 the earth (earthed, *Am.* grounded) plates

53 the storage battery

54-63 the Morse printer (Morse receiver):

54 the electromagnets (*Am.* solenoids)

55 the armature

56 the armature lever

57 the restraining spring (retractile spring)

58 the recording style or stylus (ink re-
corder, inker)

59 the driving rollers

60 the reel of paper

61 the tape (paper tape)

62 the Morse code (signs of the Morse
alphabet)

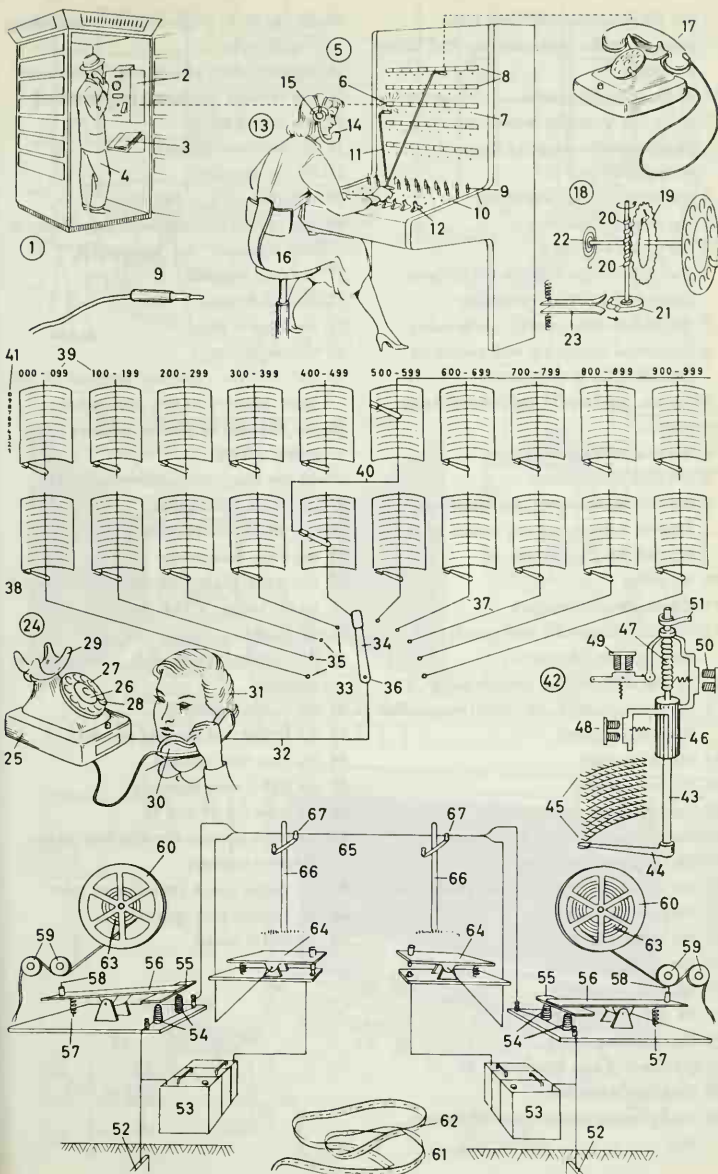
63 the tape roll;

64 the Morse key (transmitter);

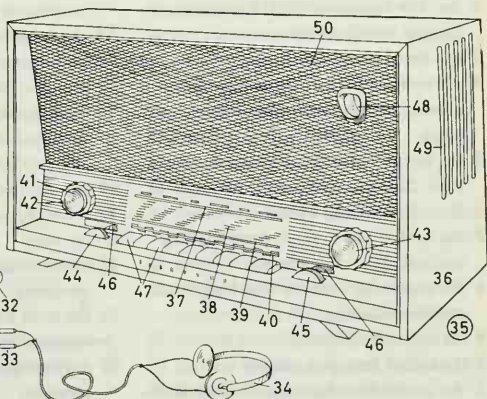
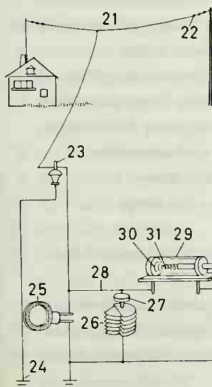
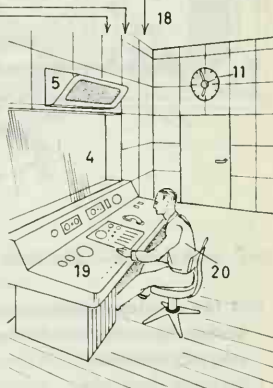
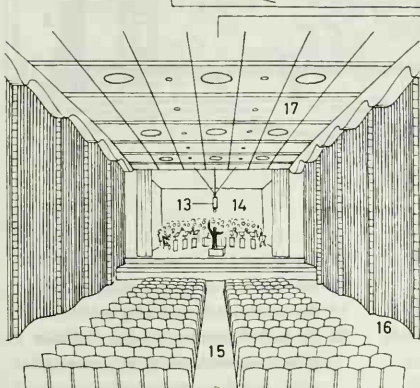
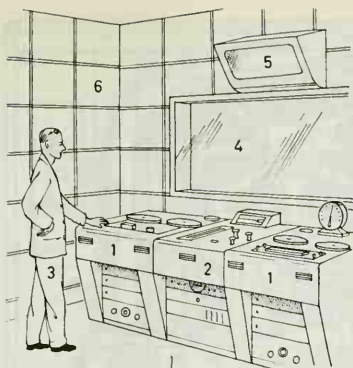
65 the transmission line

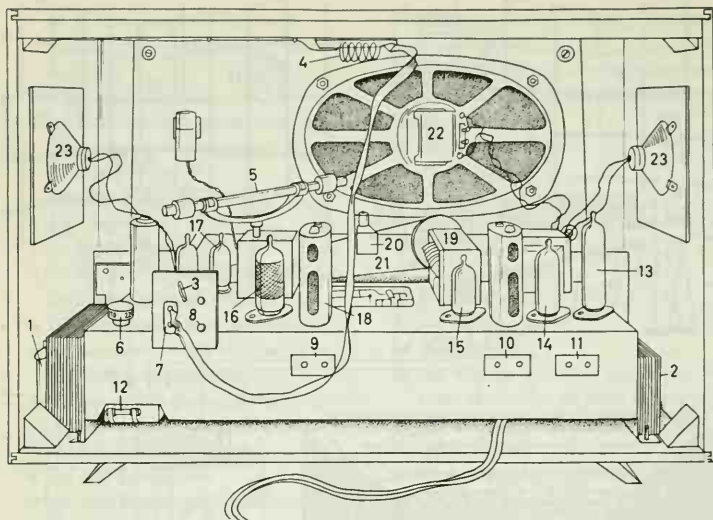
66 the telegraph pole, a n open-line pole

67 the porcelain insulator



- 1-20 the broadcast (wireless transmission, radio transmission, *Am.* radio casting),
- 1-6 the recording room,
- 1 and 2 the magnetic sound-recording equipment for the production of sound effects:
 - 1 the magnetic tape recorders
 - 2 the mixing desk;
 - 3 the sound engineer
 - 4 the observation window for the producer and the studio manager
 - 5 the monitoring (check) loudspeaker
 - 6 the sound-absorbing wall panels or panelling (*Am.* paneling);
- 7-12 the news studio and the radio play studio:
 - 7 the suspended microphone
 - 8 the desk microphone
 - 9 the radio announcer (*Am.* radio communicator, communicator, master of ceremonies, *M. C.*, *coll.* emcee)
- 10 the script
- 11 the standard-time clock
- 12 the interchangeable wall panels for adjusting reverberation;
- 13-17 the radio station concert hall:
 - 13 the microphone (*Am.* mike) suspended from three points
 - 14 the radio stage
 - 15 the auditorium
 - 16 the adjustable wall panels
 - 17 the ceiling panelling (*Am.* paneling);
- 18-20 the control cubicle:
 - 18 the cables from the separate studios to the control cubicle
 - 19 the control desk
 - 20 the studio manager;
- 21-50 radio reception,
 - 21-34 the crystal receiver:
 - 21 the receiving aerial
 - 22 the chain of egg insulators
 - 23 the shackle insulator
 - 24 the lightning protector earth connection
 - 25-28 the H. F. (high-frequency) oscillatory circuit:
 - 25 the oscillatory circuit coil [inductance]
 - 26 the variable condenser [capacitance]
 - 27 the tuning knob
 - 28 the insulated jumper;
 - 29-32 the detector:
 - 29 the glass tube, a dust cover
 - 30 the crystal [germanium, selenium, or lead sulphide, *Am.* lead sulfid]
 - 31 the cat's whisker
 - 32 the guide arm;
 - 33 the banana plug
 - 34 the earphones;
 - 35 the wireless (wireless receiver or set, radio receiver or set, *Am.* radio):
 - 36 the wooden or plastic receiver (*Am.* radio) cabinet
 - 37-40 the frequency calibration scales:
 - 37 the short-wave range
 - 38 the medium-wave range
 - 39 the long-wave range
 - 40 the very high-frequency (ultra-short wave) range (V.H.F. range);
 - 41-45 knobs:
 - 41 the tuning knob for tuning-in the stations
 - 42 the volume control
 - 43 the ferrite rod antenna control
 - 44 the bass tone control
 - 45 the treble tone control;
 - 46 the scale for 44 and 45
 - 47 the push-buttons for selecting wavebands or stations
 - 48 the magic eye, a cathode-ray tube
 - 49 the loudspeaker aperture
 - 50 the baffle board



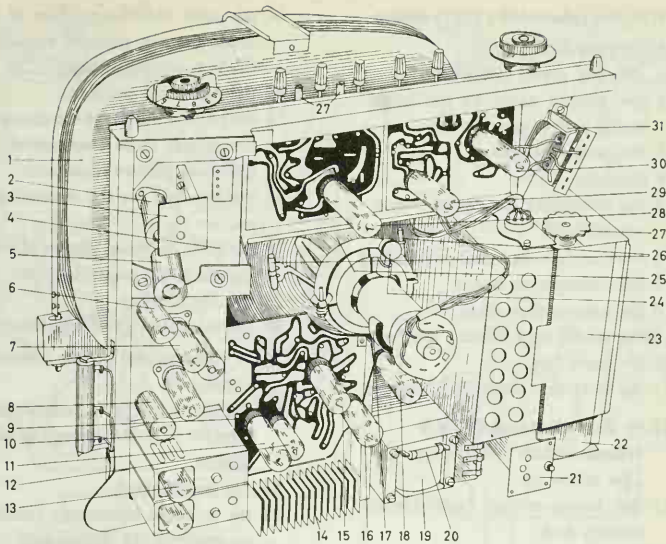


Engl. wireless valve = *Am.* radio tube

1-23 the wireless (wireless receiver, wireless set, radio receiver, radio set, *Am.* radio [interior]:

- 1 the mains transformer
- 2 the low-frequency (L.F.) transformer (output transformer)
- 3 the antenna switch
- 4 the built-in V. H. F. (very high frequency) aerial or antenna, a dipole antenna
- 5 the ferrite rod aerial or antenna, a rotatable directional antenna
- 6 the mains-voltage switch
- 7 the socket for V. H. F. (very high-frequency) aerial or antenna
- 8 the socket for medium and long wave aeriels or antenna
- 9 the socket for pick-up
- 10 the socket for tape recorder
- 11 the socket for additional loudspeaker;

- 12 the fuse
- 13 the output valve (*Am.* tube)
- 14 the compound (multiple) valve
- 15 the high-frequency (H.F.) amplifier valve, intermediate-frequency amplifier valve, and the intermediate-frequency transformer (a band-pass filter)
- 16 the frequency-changer, mixer, oscillator valve (an oscillator tube)
- 17 the amplifier valve, pre-amplifier valves
- 18 the coil assemblies (band-pass filter, intermediate-frequency filter; input, and oscillator, coil assemblies)
- 19 the variable condenser
- 20 the scale lamp, pilot lamp
- 21 the scale
- 22 and 23 three loudspeakers in 3 D-grouping:
- 22 the main loudspeaker, an electro-dynamic (moving-coil) loudspeaker
- 23 the tweeters (treble frequency loudspeakers)



1-31 the television (T. V.) receiver
(coll. telly) [interior]:

- | | |
|--|---|
| 1 the picture tube | 16 the sound intermediate-frequency amplifier |
| 2 the H. F. (high-frequency) input (H. F. first stage, high-frequency first stage) | 17 the ion trap magnet |
| 3 the aerial connection plate | 18 the audio detector (sound demodulator) and the low-frequency input (first stage) |
| 4 the channel switch | 19 the smoothing choke |
| 5 the mixer stage and the oscillator | 20 the hot conductor |
| 6 the vision intermediate-frequency transformer (a band-pass filter) | 21 the connection plate for remote control |
| 7 the vision intermediate frequency amplifier | 22 the frame output transformer |
| 8 the series resistance | 23 the screening (shielding) |
| 9 the printed circuit | 24 the centering magnet |
| 10 the vision detector | 25 the deflecting coil |
| 11 the video amplifier | 26 the anti-distortion (equalizing) magnets |
| 12 the gated automatic gain control and the black level clamp | 27 voltage selector |
| 13 the interference inverter | 28 the frame (or vertical) blocking oscillator and the frame output stage |
| 14 the selenium rectifier (<i>Am.</i> straightener) | 29 the line or horizontal line oscillator |
| 15 the synchronisation separator with interference limiter | 30 the low-frequency output (end) stage |
| | 31 the sound output transformer |

1-11 the television (T.V.) studio :

- 1 the television (T.V.,
Am. coll. tevee) camera
- 2 the camera cable to the monitoring instruments or sets
- 3 the camera operator
- 4 the dolly
- 5 the condenser (or electrostatic) microphone
- 6 the microphone stand or standard
- 7 the microphone boom
- 8 the microphone cable
- 9 the studio spot (studio spotlight)
- 10 the scene (set)
- 11 the television actor (T.V. actor);

12-39 the television (T.V.)

transmission (telecasting,
Am. telecast):

- 12 the sound-mixing (sound-monitoring) desk
- 13 the tape-recorder
- 14 the record-player
- 15 the sound engineer (control engineer)
- 16 the television (T.V.) sound-mixing room
- 17 the waveform generator for the production of horizontal and vertical deflection signals for the electron beams of the camera pick-up tubes
- 18 the impulse-transmitting cable
- 19 the monitoring apparatus

20-24 the film-scanning room :

- 20 the slide-scanner for the production of television signals from transparencies
- 21 the standard-film scanner for reproduction of talking films (*Am. of talkies*; for telefilms)
- 22 the narrow (sub-standard) film-scanner
- 23 the cable for sound transmission to the sound-mixing desk

24 the cable for transmission of the video (vision, picture) signals to the video-mixing desk;

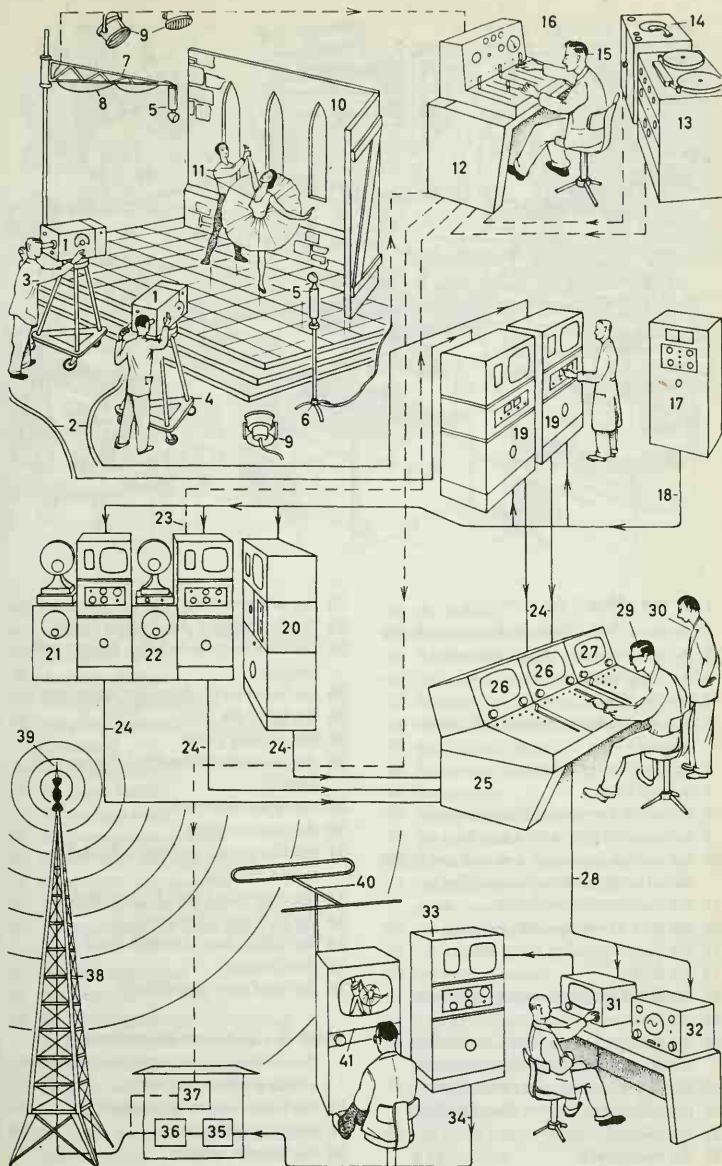
- 25 the video-mixing desk
- 26 the picture monitors for choosing the picture to be transmitted (pre-fade picture monitors)
- 27 the monitor for the transmitted picture
- 28 the cable for transmission of video signals to the control room
- 29 the video-mixer
- 30 the television (T.V.) producer

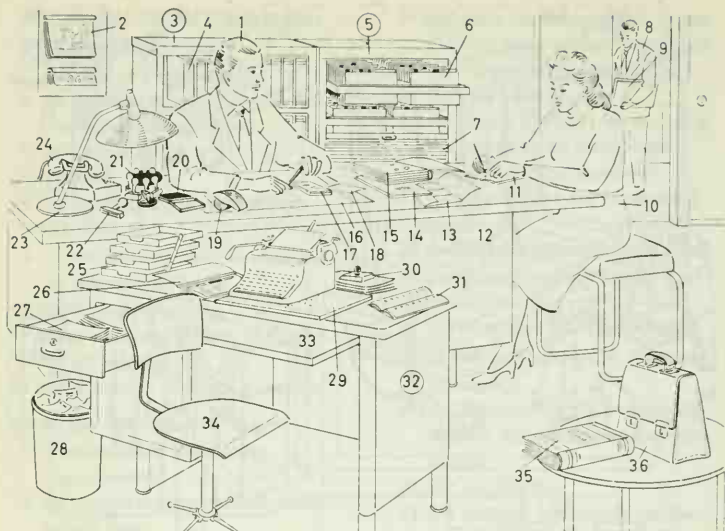
31-34 the control room (monitoring room):

- 31 the television (T.V.) monitoring receiver for monitoring the video signals
- 32 the oscillograph
- 33 the terminal equipment (carrier equipment) for transposing (converting) the outgoing video frequency band to a range suitable for cable transmission to the transmitter
- 34 the transmission cable;
- 35 the demodulator
- 36 the modulator, part of a transmitter which converts the video frequency signals into radio frequency signals on a suitable frequency band (channel)
- 37 the modulator, part of the sound transmitter
- 38 the television (T.V.) aerial mast or antenna mast
- 39 the television (T.V.) transmitting aerial;

40 and 41 television (T.V.) reception:

- 40 the television (T.V.) receiving aerial, a folded-dipole aerial with reflector
- 41 the television (T.V.) receiver (television console, T.V. console)



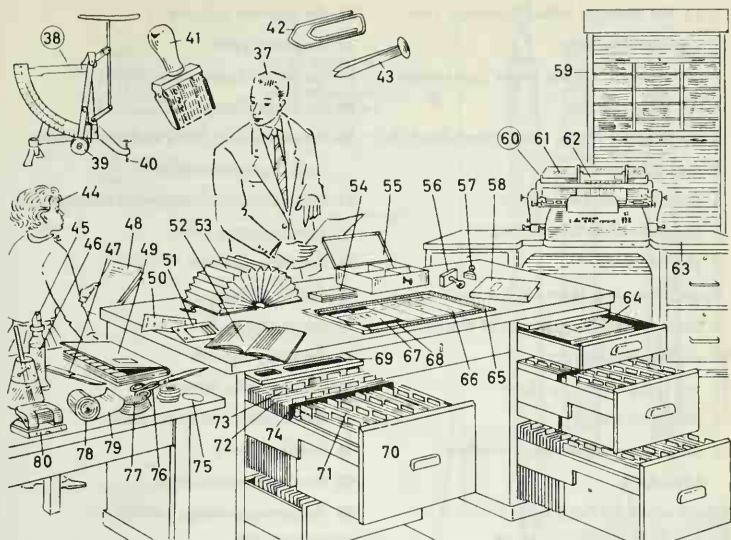
**1-36 the office** (*Am.* bureau):

- 1 the head clerk (chief clerk), an employee
- 2 the wall calendar (block calendar)
- 3 the filing cabinet:
- 4 the file (filer);
- 5 the card-index cabinet, a roll-front cabinet:
- 6 the card-index drawer
- 7 the roll front;
- 8 the office boy (errand boy, junior)
- 9 the records (file with records)
- 10 the female secretary, a shorthand typist (shorthand writer, stenographer)
- 11 the shorthand note-book
- 12 the desk (writing-table, bureau)
- 13 the folder (binder, filing case)
- 14 the folder
- 15 the file of letters awaiting signature
- 16 the desk pad
- 17 the note pad (copy block, scribbling block, *Am.* scratch pad, memo pad)
- 18 the slip of paper (*Am.* scrap paper)
- 19 the roller-type blotter (hand blotter)
- 20 the ink pad
- 21 the stamp rack

- 22 the rubber stamp
- 23 the desk lamp (*Am.* bureau lamp)
- 24 the desk telephone (*Am.* bureau telephone)
- 25 the letter tray, a four-tier letter tray
- 26 the letter file
- 27 the writing paper
- 28 the waste-paper basket (*Am.* waste basket)
- 29 the typewriter pad
- 30 the paper weight
- 31 the diary (engagement calendar, memo calendar)
- 32 the typewriter desk (typist desk):
- 33 the pull-out extension;
- 34 the office chair, a swivel chair
- 35 the directory
- 36 the brief case (portfolio);

37-80 the accounts department (book-keeping department) **and the record office** (registry):

- 37 the book-keeper (accountant)
- 38 the letter balance:
- 39 the balance weight



- 40 the adjusting screw;
- 41 the date stamp, an adjustable stamp
- 42 the paper clip
- 43 the paper-fastener
- 44 the office apprentice
- 45 the glue-dispenser (*Am.* mucilage-dispenser)
- 46 the office paste
- 47 the paper knife
- 48 the postage book
- 49 the postage-stamp book
- 50 the invoice (*Am.* bill, check)
- 51 the receipt; *sim.* voucher
- 52 the account book (book of accounts)
- 53 the expanding file for sorting letters, (filer)
- 54 the cash-report pad
- 55 the cash box
- 56 the booking stamp for stamping incoming invoices
- 57 the entry stamp
- 58 the cash book
- 59 the record cabinet
- 60 the book-keeping machine (accounting machine):

- 61 the holder;
- 62 the account sheet
- 63 the accounts desk
- 64 the ledger (balance book)
- 65 the desk pad for hand entries
- 66 the journal sheet (day sheet)
- 67 the account sheet
- 68 the carbon paper
- 69 the pen tray
- 70 the card-index drawer
- 71 the card index
- 72 the index card (record card)
- 73 the guide card (card-index guide card)
- 74 the guide-card tab (signal)
- 75 the rubber band
- 76 the paper scissors
- 77 the damping (moistening) sponge, a damper (moistener)
- 78 the roll of adhesive tape (roll of gummed tape, of Scotch tape)
- 79 the adhesive tape (gummed tape, *Am.* Scotch tape)
- 80 the letter punch (letter perforator), a perforator

- 1-12 the business letter (business communication, letter):
 - 1 the sheet of writing paper (note paper)
 - 2 the filing margin
 - 3 the heading of the letter (letter-head)
 - 4 the address:
 - 5 the addressee (recipient);
 - 6 the date of the letter (date)
 - 7 the reference
 - 8 the salutation (greeting), a heading
 - 9 the contents (text, body) of the letter
- 10 the emphasized line
- 11 the complimentary close
- 12 the signature;
- 13 the stamped envelope, a window envelope:
- 14 the envelope flap (flap)
- 15 the sender's name and address
- 16 the envelope window (window);
- 17-36 writing utensils:
 - 17 the penholder
 - 18 the pen nib (nib), a steel nib
 - 19 the fountain pen, a piston pen:
 - 20 the fountain pen nib, a gold nib
 - 21 the ink reservoir (ink barrel)
 - 22 the piston
 - 23 the inspection glass
 - 24 the cap
 - 25 the pocket clip (clip);
 - 26 the ball point pen (ball pen):
 - 27 the push button
 - 28 the inner reservoir with the writing ink
 - 29 the ball point;
 - 30 the fountain pen holder, a holder to keep the nib moist
 - 31 the lead pencil (pencil):
 - 32 the wooden cylinder
 - 33 the pencil point;
 - 34 the pencil-holder (pencil cap)
 - 35 the propelling pencil
 - 36 the pencil lead (refill lead, refill, spare lead), a graphite stick;
 - 37 the addressing machine, addressograph, a metal plate printer:
 - 38 the plate-receiver
 - 39 the ink ribbon
 - 40 the printing pad
 - 41 the stamping arm
 - 42 the operating lever
 - 43 the embossed printing plate
 - 44 the plate feed;
 - 45 the franking machine:
 - 46 the postage stamp, a cliché
 - 47 the ink roller
 - 48 the levers for selecting the postage rate (franking value)
 - 49 the hand crank (handle)
 - 50 the ink ribbon feeder
 - 51 the reading meter (indicating the franking-value)
 - 52 the item-counter, a totalisator
 - 53 the release lever

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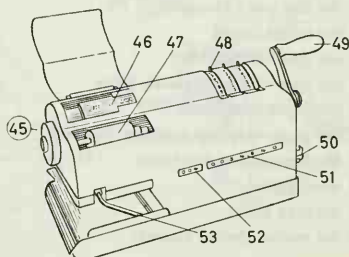
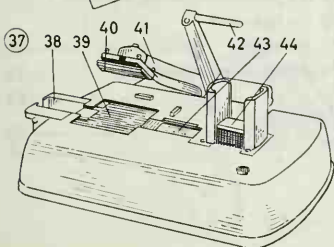
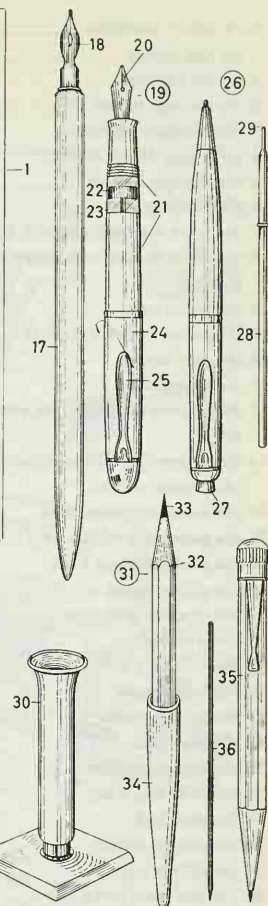

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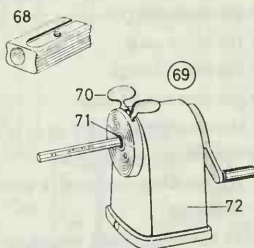
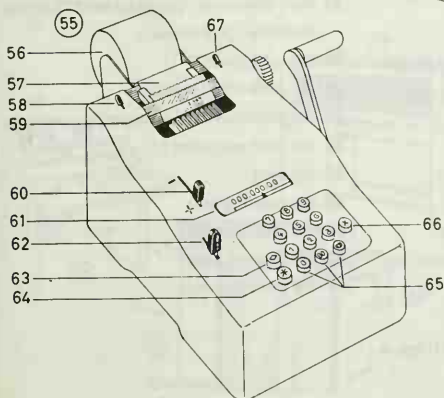
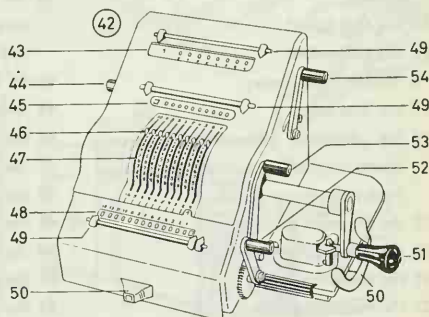
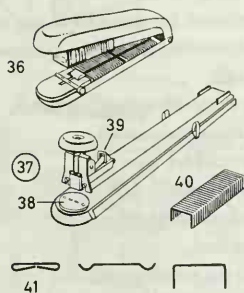
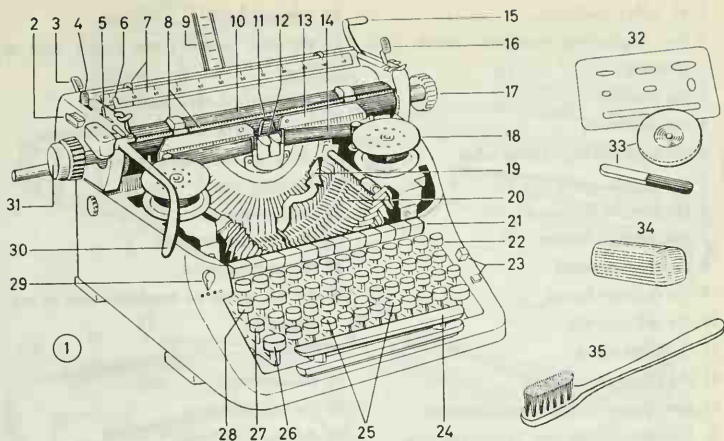
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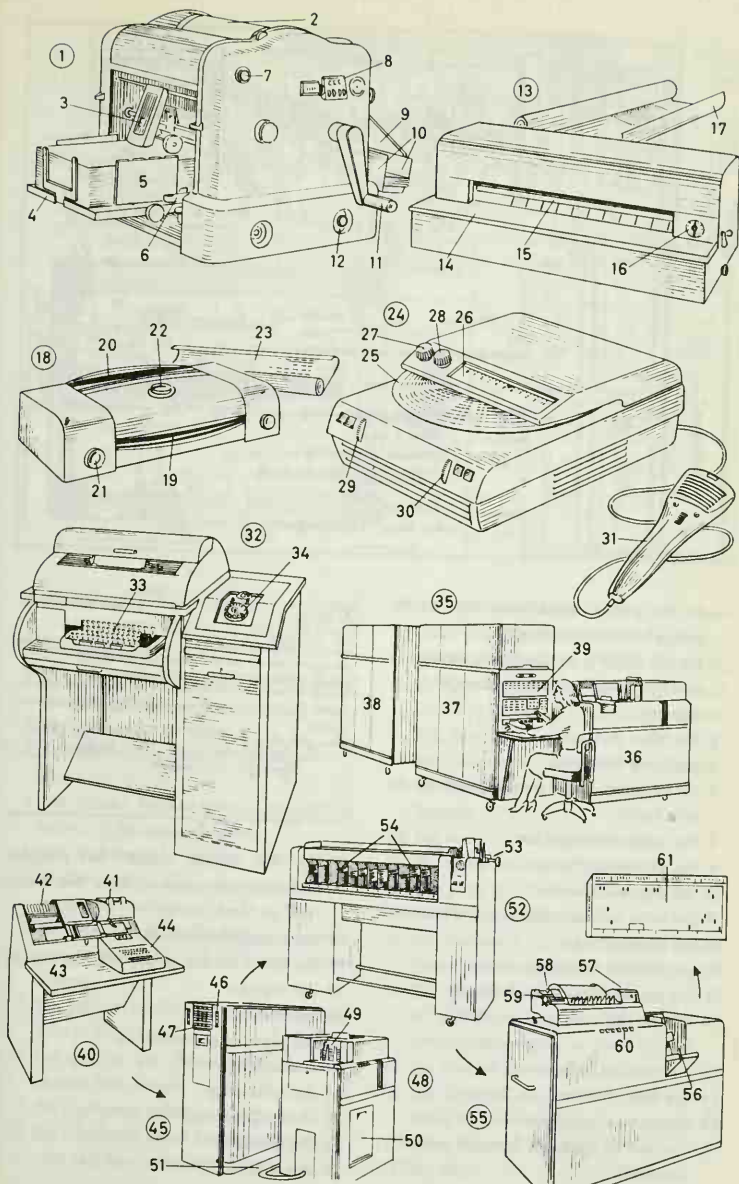
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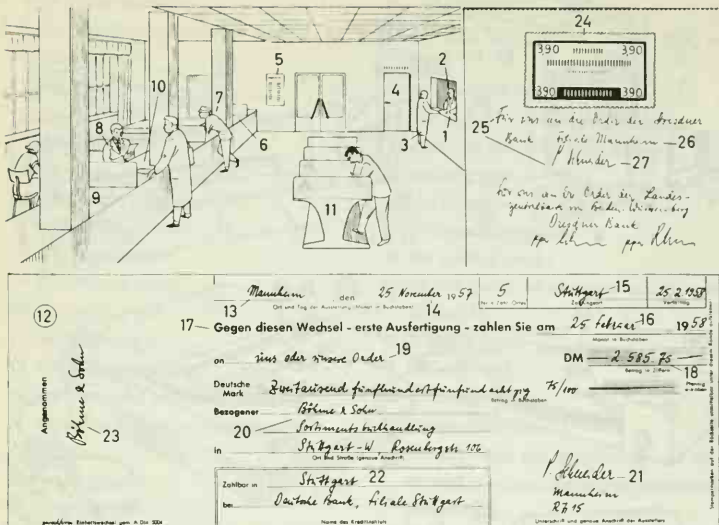


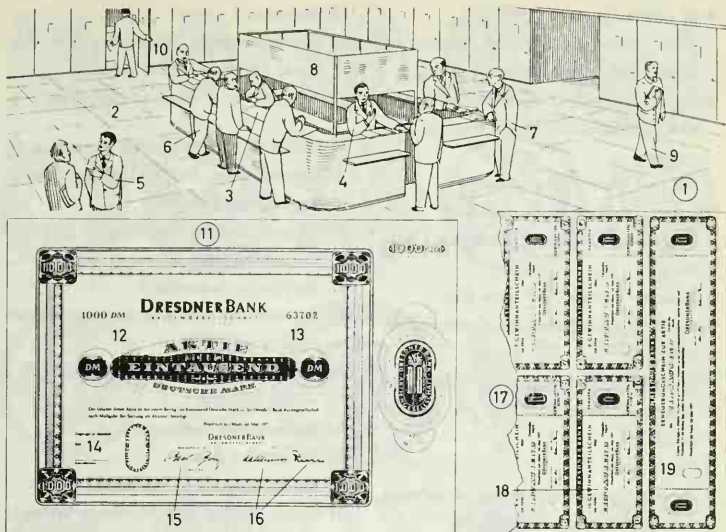
- 1-72 office machines,
- 1 the typewriter,
- 2-17 the carriage:
- 2 the carriage release
- 3 the tabulator clearance
- 4 the platen detent release
- 5 the line space gauge
- 6 the lateral guide
- 7 the front scale with margin stop
- 8 the paper-holder with paper guide rolls
- 9 the paper rest
- 10 the platen (roller, cylinder)
- 11 the card-holder
- 12 the type guide
- 13 the alignment guide (*Am.* alinement guide)
- 14 the typewriter ribbon (colour ribbon, *Am.* color ribbon)
- 15 the automatic paper feed
- 16 the paper feed release
- 17 the platen-turning knob;
- 18 the ribbon spool
- 19 the type bar with type
- 20 the type basket
- 21 the tabulator key
- 22 the back spacer
- 23 the double spacer
- 24 the space bar
- 25 the keyboard
- 26 the shift key, a key
- 27 the shift lock
- 28 the margin release
- 29 the ribbon switch
- 30 the line space lever
- 31 the line space plunger;
- 32 the eraser shield
- 33 the typewriter rubber
- 34 the type-cleaner, a plastic paste
- 35 the typewriter brush
- 36 the paper-stapling machine (stapler)
- 37 the file-stapling machine:
- 38 the matrix
- 39 the feed slide;
- 40 the staples (bar of staples)
- 41 the methods of stapling: clinching, pinning, nailing
- 42 the lever set hand-operated calculator, a calculating (accounting) machine (calculator):
- 43 the rotary counting mechanism (counter)
- 44 the cancelling (*Am.* canceling) lever (effacer) for the regulator
- 45 the column-setting indicator
- 46 the setting levers
- 47 the regulator (setting mechanism)
- 48 the result (product) register
- 49 the decimal bar with markers
- 50 the slide key
- 51 the operating handle
- 52 the result-effacer
- 53 the central effacer
- 54 the calculator clearance;
- 55 the hand-operated add listing machine with subtraction, a machine for adding, subtracting, and multiplying:
- 56 the paper roll
- 57 the paper strip (paper tape)
- 58 the paper release
- 59 the tear-off plate or saw
- 60 the plus-minus lever
- 61 the column indicator
- 62 the error and release lever
- 63 the sub-total key
- 64 the grand total key
- 65 the nought (zero) keys
- 66 the multiplication key
- 67 the line space lever;
- 68 the pocket pencil-sharpener
- 69 the pencil-sharpening machine:
- 70 the tightener
- 71 the chuck
- 72 the shavings container



- 1-61 office machines,
- 1 the duplicating machine (office duplicator):
- 2 the stencil
- 3 the feed pawl
- 4 the feed board, a rising table
- 5 the clamp
- 6 the margin regulator
- 7 the ink feed button
- 8 the sheet-counter
- 9 the delivery board
- 10 the delivery jaw
- 11 the hand crank
- 12 the speed regulator;
- 13 the blue-print apparatus (copying apparatus, negative cyanotype machine):
- 14 the feed board
- 15 the feed roller
- 16 the exposure timer;
- 17 the blue print
- 18 the photostat (photostatic apparatus, photo-copying apparatus, *Am.* photo copier):
- 19 the exposure slot
- 20 the developing slot
- 21 the exposure switch
- 22 the measuring scale;
- 23 the photostat
- 24 the dictaphone (dictating machine):
- 25 the magnetic recording disk or disc
- 26 the index scale
- 27 the eraser switch
- 28 the tone arm switch
- 29 the tone control
- 30 the volume control
- 31 the hand microphone, a dynamic microphone;
- 32-34 the subscriber's teleprinter,
- 32 the teleprinter (*Am.* teletypewriter), a sheet writer, a telegraph:
- 33 the keyboard
- 34 the dial (finger plate, finger disk or disc);
- 35-61 punched-card machines,
- 35 the magnetic-barrel calculating machine, an electronic calculator:
- 36 the card unit
- 37 the barrel unit
- 38 the transformer unit
- 39 the control panel;
- 40-61 the group of machines (set of machines),
- 40 the card punch:
- 41 the card feed
- 42 the card delivery
- 43 the stacking table
- 44 the keyboard for alphabetical and numerical punching (alphabetic-numerical keyboard);
- 45-51 the electronic calculating punch,
- 45 the electronic calculator:
- 46 the control keys
- 47 the signal lamps;
- 48 the card punch (punch):
- 49 the card feed
- 50 the pull-out switch panel;
- 51 the connection cable;
- 52 the electronic punched-card sorting machine (card-sorter):
- 53 the card feed
- 54 the receiving magazine;
- 55 the punched-card accounting machine:
- 56 the card magazine
- 57 the feed
- 58 the printing unit
- 59 the type bars
- 60 the control keys;
- 61 the punched card







- 1-10 the stock exchange (stock exchange for stock, securities, or funds, *Am.* stock market),
- 1 the hall of the Exchange (trading floor, *Am. coll. pit*):
- 2 the market for securities
- 3 the counter for brokers (brokers' counter)
- 4 the sworn broker (stock broker), a broker (*Am.* stock jobber)
- 5 the independent broker (free stock broker, agent, *Am. coll. pitman*) for unofficial business
- 6 the member of the Exchange, a private person admitted for Exchange transactions
- 7 the jobber (dealer), a bank employee [not in Engl.]
- 8 the official list (board with the Exchange lists, board)
- 9 the Exchange usher (waiter)
- 10 the telephone kiosk (telephone box, *Am.* call box, telephone booth);
- 11-19 securities; *kinds*: shares (*Am.* common stocks), fixed-interest annuities, government and state loans, mortgage debentures, municipal (local) bonds, industry bonds (industrials), convertible loans,
- 11 the share warrant (bearer certificate of shares); *here*: share payable to bearer:
- 12 the nominal value of the share
- 13 the serial number of the bond
- 14 the page number of the entry in the bank's share register
- 15 the signature of the chairman of the board of directors
- 16 the signature of the chairman of the managing (executive) committee;
- 17 the coupon sheets:
- 18 the dividend coupon; for fixed-interest securities: the interest coupon (*Am.* share of stock)
- 19 the talon

1-28 coins (coinage, specie);

kinds: gold, silver, nickel, copper, or aluminium (*Am.* aluminum) coins,

1 Athens: tetradrachm (tetradrachmon, *fam.* 'owl', glauke) in the form of a nugget;

2 the owl (civic bird of Athens);

3 aureus of Constantine the Great

4 bracteate of Emperor Frederick I Barbarossa

5 France: a Louis XIV louis d'or

6 Prussia: a Frederick the Great reichst(h)aler

7 German Federal Republic: 5 D-marks (German marks); 1 DM = 100 D-pfennigs;

8 the obverse

9 the mint mark (mint letter) of the mint (place of mintage or coinage)

10 the reverse face

11 the lettered edge; the legend (inscription)

12 the coin image, a national coat-of-arms;

13 Austria: 25 schilling piece; 1 sch. = 100 groschen;

14 the armorial shield of the locality;

15 Switzerland: 5 francs; 1 franc = 100 centimes (rappens)

16 France: 100 francs; 1 franc = 100 centimes

17 Belgium: 100 francs

18 Luxemburg: 1 franc

19 Netherlands (Holland): $2\frac{1}{2}$ gulden; 1 gulden (florin) = 100 cents

20 Italy: 10 lire; 1 lira = 100 centesimi

21 Vatican City: 100 lire

22 Spain: 1 peseta = 100 céntimos = 4 reales

23 Portugal: 1 escudo = 100 centavos

24 Denmark: 1 krone = 100 øre

25 Sweden: 1 krona

26 Norway: 1 krone

27 Czechoslovakian Republic: 100 koruna; 1 koruna = 100 halerze

28 Yugoslavia: 1 dinar = 100 paras;

29-39 bank notes (paper money, soft money, notes, *Am.* bills) [*in Engl.* treasury (currency) notes],

29 German Federal Republic: 50 DM;

30 the issuing bank

31 the portrait watermark

32 the warning notice [a warning against forgery of notes];

33 United States of America: 1 dollar (\$) = 100 cents;

34 the facsimile signatures

35 the control stamp

36 the designation of the series;

37 Great Britain and Northern Ireland: 1 pound sterling (£) = 20 shillings, 1 s = 12 pence, 1 penny (d), 2 s = 1 florin;

38 the guilloche pattern;

39 Greece: 1000 drachmas (drachmai); 1 drachma = 100 lepta;

40-44 the manufacture of coins,

40 and 41 the coining dies (coin stamps):

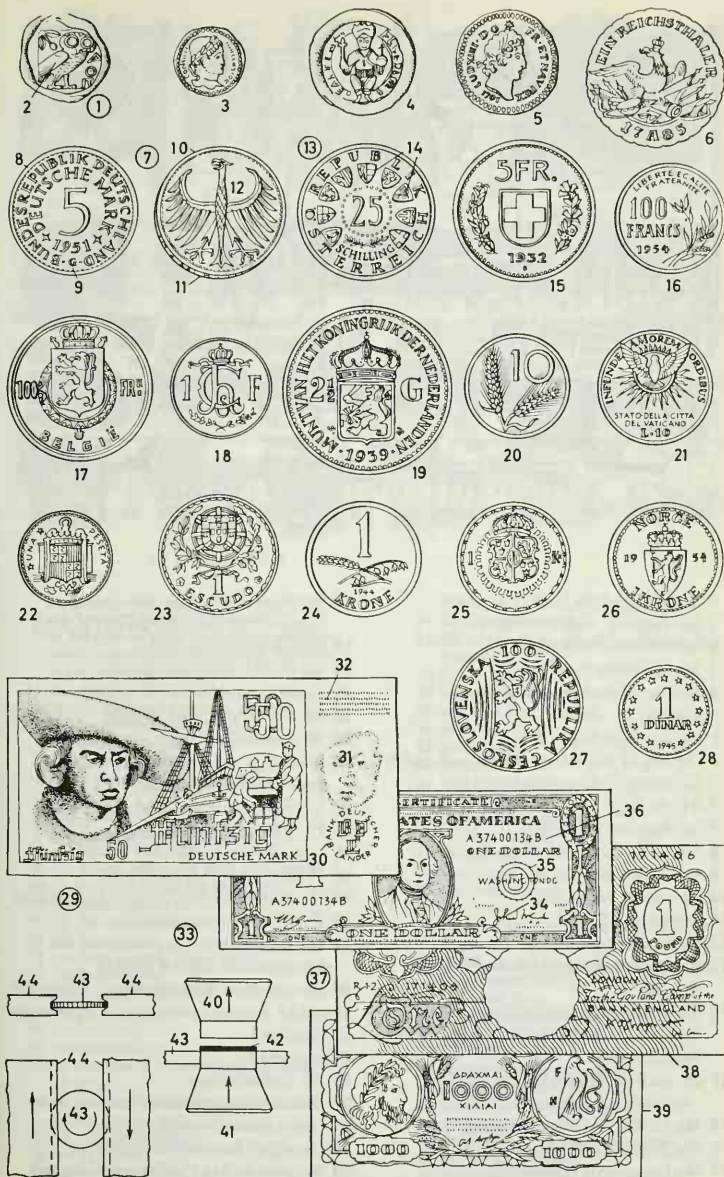
40 the upper (top) die

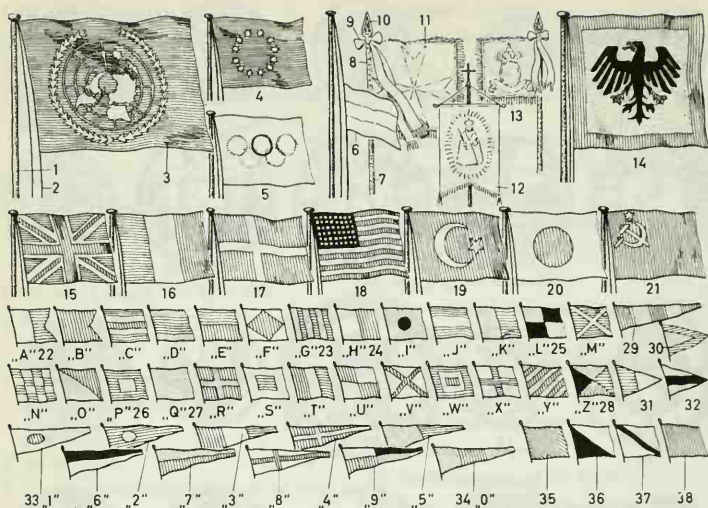
41 the lower (bottom) die;

42 the collar

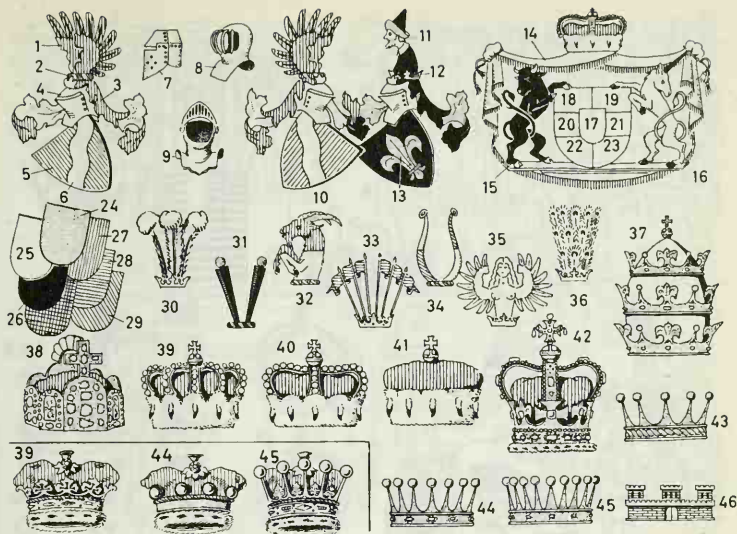
43 the flan (blank, planchet)

44 the milling (edging, knurling) iron for milling (decorating) the coin's edge





- 1-3 the flag of the United Nations:
 1 the flagstaff with the truck
 2 the rack line (halyard)
 3 the flag cloth (bunting);
 4 the flag of the Council of Europe
 5 the Olympic flag
 6 the flag at half-mast (*Am.* at half-staff); [in token of mourning]
 7-11 the flag:
 7 the flagpole (flagstaff)
 8 the ornamental nail of the flag
 9 the streamer (tail)
 10 the top of the flagpole
 11 the flag cloth;
 12 the banner (gonfalon)
 13 the cavalry standard (standard of the cavalry)
 14 the standard of the President of the German Federal Republic [the ensign of head of state]
 15-21 national flags (national colours, *Am.* national colors):
 15 the Union Jack (Great Britain)
 16 the Tricolour (France)
 17 the Dannebrog (Denmark)
 18 the Stars and Stripes (star-spangled banner, *Am. coll.* Old Glory; U.S.A.)
 19 the Crescent (Turkey)
 20 the Rising Sun (Japan)
 21 Hammer and Sickle (U.S.S.R.);
 22 34 signal flags, a set of flags,
 22 28 alphabetical flags:
 22 letter A, a burgee (swallow-tailed pennant or pendant)
 23 G, pilot required signal
 24 H ('pilot on board')
 25 L, epidemic signal
 26 P, Blue Peter ('about to sail')
 27 Q, quarantine flag, a signal for a doctor
 28 Z, an oblong pennant;
 29 the code pennant, a pennant of the international code of signals
 30-32 substitute flags (repeaters), triangular
 33 and 34 numeral pennants: [pennants
 33 number 1
 34 number 0;
 35-38 customs flags:
 35 the customs pennant of revenue boats
 36 'ship cleared through customs'
 37 the signal for customs officer
 38 the powder flag ['inflammable cargo']



in England

1-36 heraldry (armory, blazonry),

1-6 the coat-of-arms (coat, arms, achievement, escutcheon, scutcheon, heraldic arms, armorial bearings):

1 the crest

2 the torse (twisted wreath, torque)

3 the lambrequin (mantling)

4 the helmet (helm)

5 the shield

6 bend sinister wavy (bend sinister undec);

4, 7-9 helms:

7 the closed helmet (tilting helm)

8 the helmet with bars

9 the helmet affrontée with open visor;

10-13 the marshalled coat-of-arms:

10 the coat-of-arms

11-13 the woman's arms:

11 the bust

12 the crest coronet (crest crown)

13 the fleur-de-lis;

14 the pavilion (mantle)

15 and 16 supporters:

15 the bull (ox)

16 the unicorn;

17-23 the blazon (marshalling of coats of arms):

17 the inescutcheon; *the exact centre*: fess point (heart point)

18-23 the quarterings:

18 and 19 chief

22 and 23 base

18, 20, 22 dexter, right

19, 21, 23 sinister, left;

24-29 the tinctures (heraldic colours, *Am.* heraldic colors),

24 and 25 metals:

24 or (gold) [yellow]

25 argent (silver) [white];

26 sable (black)

27 gules (red)

28 azure (blue)

29 vert (green);

1, 11, 30-36 crests:

30 the ostrich plumes

31 the truncheons

32 the demi-goat

33 the tournament pennons

34 the buffalo horns

35 the Harpy

36 the bush (plume) of peacock's feathers;

37, 38, 42-46 crowns and coronets [continental type]:

37 the papal tiara

38 the crown of Charlemagne (of the Holy Roman Empire)

39 the ducal bonnet

40 the prince's hat or bonnet

41 the elector's hat or bonnet

42 the English Royal Crown

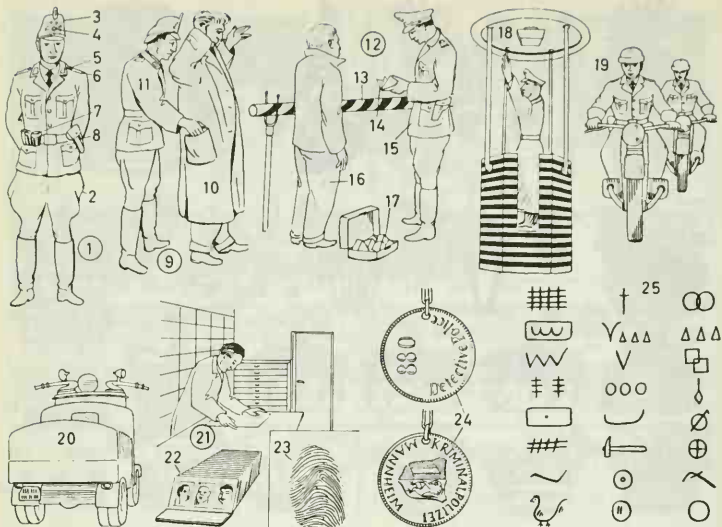
43-45 crowns of rank:

43 the baronet's or knight's coronet

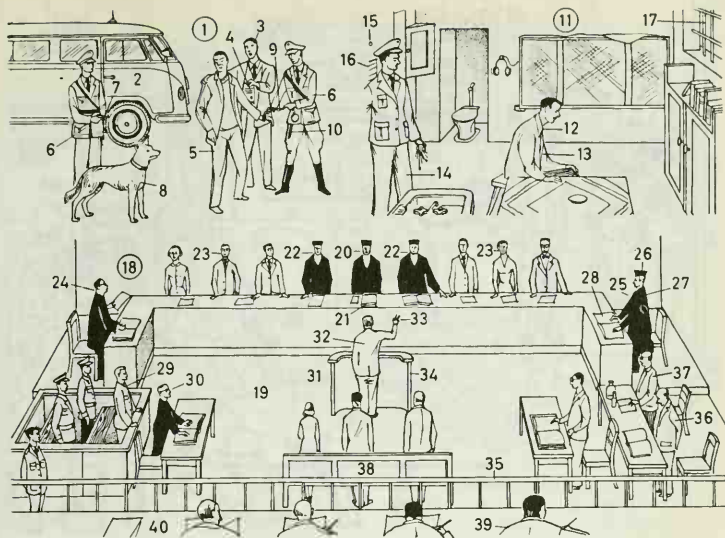
44 the baron's coronet

45 the count's coronet;

46 the mural crown of a town's arms



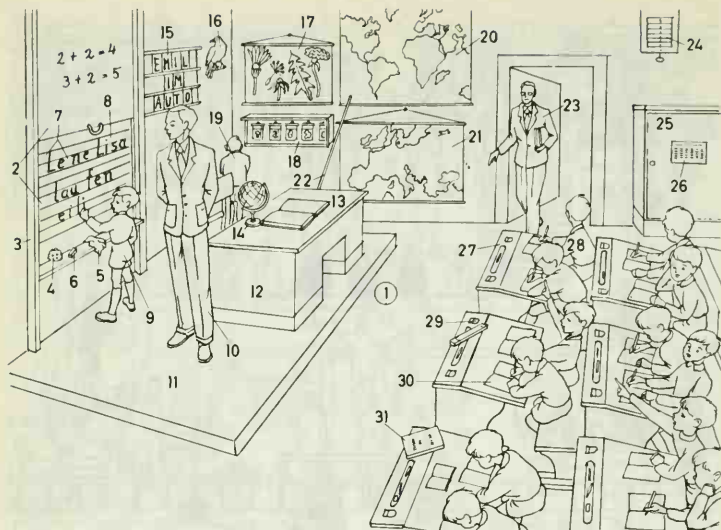
- 1-8 the police force (police detachment living in barracks, *Am.* platoon),
 1 the policeman (police constable, constable, *pop.* bobby, *sl.* cop, copper, *Am.* patrolman, *on inspection* : roundsman):
 2 the uniform (policeman's uniform)
 3 the shako (cap)
 4 the cockade
 5 the collar badge
 6 the epaulette (epaulet)
 7 the cartridge pouch
 8 the pistol holster;
 9-11 the state police force,
 9 the search:
 10 the suspected person
 11 the policeman;
 12 frontier (border) check:
 13 the turnpike; *here* : customs frontier
 14 and 15 passport check (the examination of the passport):
 14 the passport [with visa], a document enabling holder to cross frontiers
 15 the customs officer;
 16 the smuggler
 17 the contraband (smuggled goods);
 18 and 19 the traffic police; *other departments* : water police, police department for control of prostitution, police department for control of trading, etc.:
 18 the traffic point
 19 the motorised traffic patrol (*in Engl.* traffic police);
 20 the water-thruster
 21-24 the criminal investigation department,
 21 the records department (*in Engl.* criminal records office, *pop.* rogues' gallery):
 22 the criminals' photograph register
 23 the fingerprint
 24 the detective's badge (badge, *Am.* shield);
 25 sharpers' (thieves') marks

**1 the arrest:**

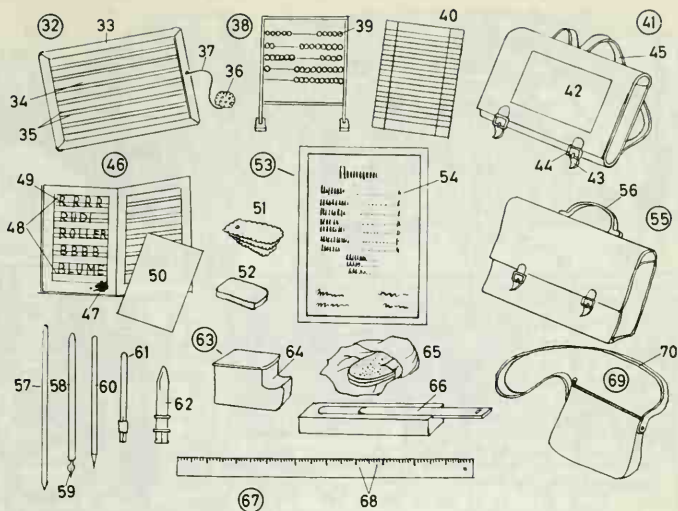
- 2 the radio-equipped patrol car (*Am.* patrol wagon, squad car, prowl car)
- 3 the police detective (C.I.D. officer)
- 4 the arrest warrant
- 5 the arrested person (man under arrest, prisoner)
- 6 the policeman (police officer, *fam.* bobby, *sl.* cop, copper)
- 7 the pistol
- 8 the police dog
- 9 the handcuffs
- 10 the rubber truncheon (*in Engl.* wooden truncheon; baton, *Am.* club, blackjack, nightstick, *fam.* Billy);
- 11 the prison** (*Am.* jail, jailhouse) cell (single cell, *Am.* reclusion):
- 12 the prisoner (convict)
- 13 the prison clothes
- 14 the prison warder (warder, *Am.* prison warden, warden, goaler, jailer, jailor, prison guard)
- 15 the spy hole (peep hole)
- 16 the service hatch
- 17 the barred window;
- 18 the trial** before the Court of Law (Court of Justice, Assize Court; trial by jury):

19 the court room

- 20 the president of the court (presiding, or chief, judge)
- 21 the file
- 22 the assistant judge (assessor)
- 23 the jurymen (juror, lay judge, *Am.* venireman)
- 24 the clerk of the court
- 25 the public prosecutor (*Am.* district attorney, prosecuting attorney)
- 26 the barret
- 27 the robe
- 28 the indictment
- 29 the accused (*Am.* defendant)
- 30 the defending counsel (barrister, advocate, *Am.* attorney and counselor-at-law)
- 31 the taking of the oath (swearing in)
- 32 the witness
- 33 the hand raised to take the oath
- 34 the witness stand (*Am.*; *in Engl.* witness box, *Am.* witness chair)
- 35 the witness barrier
- 36 the forensic specialist (expert, *Am.* pop. sharp)
- 37 the court doctor
- 38 the witness bench
- 39 the reporter
- 40 the Press table

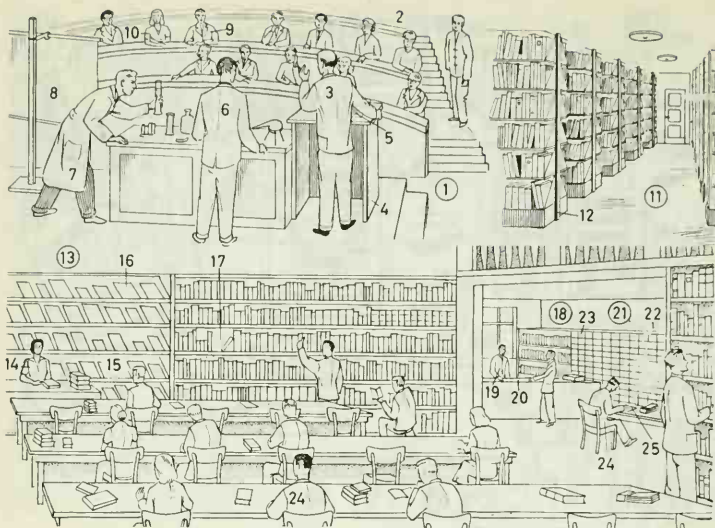


- 1 31 the lesson (instruction),
 1 the class room (school room, form room, *Am.* grade, or recitation, room):
 2 the wall blackboard
 3 the blackboard frame
 4 the blackboard sponge (sponge)
 5 the blackboard cloth
 6 the chalk
 7 and 8 the writing exercise:
 7 the syllable
 8 the word:
 9 the first-year boy
 10 the teacher (schoolmaster, master, *Am.* schoolman)
 11 the platform
 12 the desk (teacher's desk)
 13 the class register (form register)
 14 the globe (terrestrial globe)
 15 the reading board
 16 the stuffed bird
 17 the picture for object-teaching
 18 the showcase with specimens
 19 the boy in the corner
 20 and 21 wall maps (school maps):
 20 the map of the world
 21 the map of Europe;
 22 the pointer
 23 the headmaster (*Am.* principal)
 24 the ventilator
 25 the class (school) cupboard
 26 the class timetable (*Am.* schedule)
 27 the desk (school desk)
 28 the pupil (schoolboy, scholar)
 29 the inkwell
 30 the exercise book
 31 the reader;
 32 70 school materials (school utensils),
 32 the slate:
 33 the wooden frame

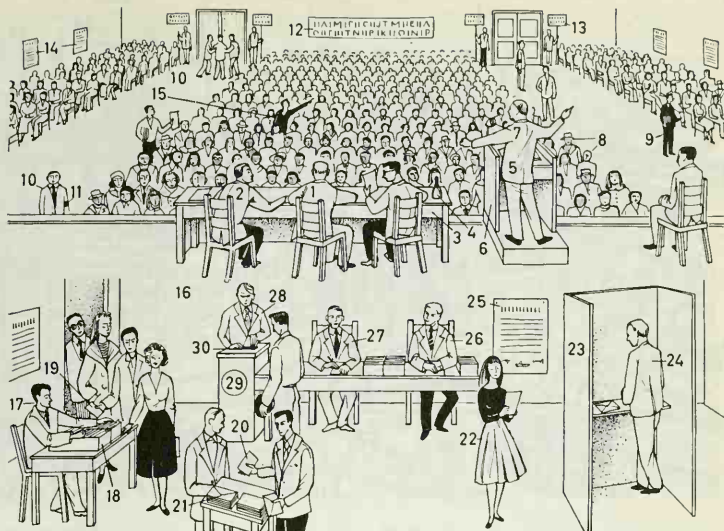


- 34 the slate surface (writing surface)
 35 the lines
 36 the slate sponge (sponge)
 37 the sponge string;
 38 the counting (calculating) frame (abacus);
 39 the bead (counter, counting bead);
 40 the sheet of lined paper
 41 the satchel;
 42 the satchel flap
 43 the fastening strap (buckling strap)
 44 the buckle
 45 the shoulder-strap (carrying strap);
 46 the copy book:
 47 the blot (ink blot)
 48 the writing
 49 the letter
 50 the blotting paper;
 51 the pen-wiper
 52 the rubber (india rubber)

- 53 the report:
 54 the mark (*Am.* grade, point);
 55 the school bag;
 56 the handle;
 57 the slate pencil
 58 the penholder
 59 the nib (pen nib)
 60 the pencil
 61 the pencil-holder
 62 the pencil shield (point-protector)
 63 the inkstand (lidded inkstand):
 64 the penholder (pen) groove;
 65 the sandwich for the mid-morning break (*Am.* for the intermission)
 66 the pencil box
 67 the ruler:
 68 the centimetre and millimetre scale (*Am.* centimeter and millimeter scale);
 69 the shoulder bag;
 70 the shoulder-strap



- 1-25 the university (*fam.* varsity),
- 1 the lecture:
- 2 the lecture room (auditorium, lecture theatre)
- 3 the lecturer (university lecturer), a professor in ordinary (university professor) or an unsalaried private lecturer or a lector (*Am.* adjunct)
- 4 the lecture desk (rostrum)
- 5 the lecture manuscript (lecture notes)
- 6 the assistant
- 7 the assistant to the medical lecturer
- 8 the educational picture
- 9 the student
- 10 the woman student (*Am.* girl student);
- 11-25 the university library; *sim.* state library; official, or municipal (public), scientific library,
- 11 the stack room (room for storing books with the book stock):
- 12 the book shelf, a steel shelf;
- 13 the reading room:
- 14 the reading room supervisor, a lady librarian
- 15 the shelves for magazines, (magazine racks)
- 16 the newspaper racks
- 17 the reference library with reference books (handbooks or manuals, encyclopedias; dictionaries);
- 18 the lending library and the catalogue room (*Am.* catalog room):
- 19 the librarian
- 20 the issuing counter (out counter)
- 21 the main catalogue (*Am.* catalog)
- 22 the card-index cabinet
- 23 the index cabinet drawer
- 24 the visitor to the library (user of the library, library user)
- 25 the library ticket (borrower's ticket)



1–15 the election meeting (electors' meeting, electoral meeting, *Am.* caucus), a mass meeting (*Am.* rally),

1 and 2 the committee:

1 the chairman

2 the committee member;

3 the committee table

4 the bell

5 the election speaker (*Am. fam.* stump orator)

6 the speaker's desk, a rostrum

7 the microphone

8 the meeting (crowd, audience)

9 the distributor of pamphlets (of election leaflets)

10 the ushers (stewards)

11 the armlet

12 the election placard (poster)

13 the portable election placard (poster)

14 the proclamation

15 the heckler;

16–30 the election:

16 the polling station (*Am.* ward room)

17 the election official

18 the electoral register

19 the poll card with registration number (polling number)

20 the voting paper (ballot paper) with the names of the parties and the party candidates (*Am.* slate)

21 the ballot envelope

22 the female voter

23 the polling box (polling booth)

24 the voter with right to vote (man qualified, or entitled, to vote)

25 the election regulations

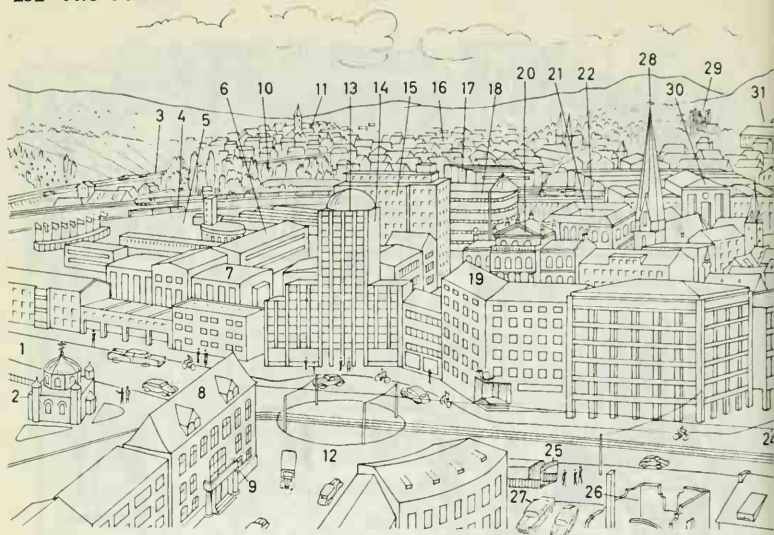
26 the poll clerk

27 the assistant with the duplicate list

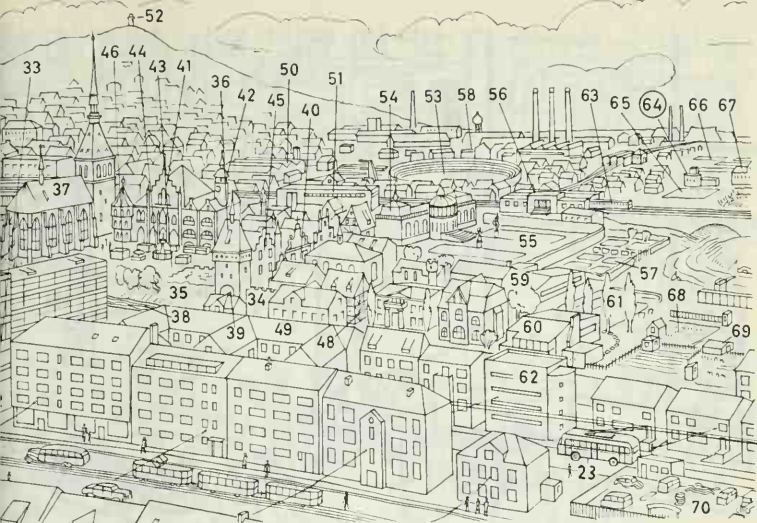
28 the election supervisor

29 the ballot box:

30 the slit



- 1-70 the large town (large city); *smaller* : small town, provincial town:
- 1 the main outlet road
 - 2 the Greek-Orthodox church
 - 3 the by-pass
 - 4 the elevated railway (*Am.* elevated rail-road, the elevated, El, el, L-train), a city railway (metropolitan railway, the metropolitan)
 - 5 the exhibition grounds (*Am.* exposition grounds)
 - 6 the exhibition hall (*Am.* exposition building)
 - 7 the municipal hall
 - 8 the law courts
 - 9 the balcony
 - 10 the municipal park
 - 11 the suburb, a residential area (*Am.* residential section, uptown)
 - 12 the circus (*Am.* circular place) with roundabout traffic flow
 - 13 the multi-storey (multi-story) building
 - 14 the advertising space
 - 15 the office block, business premises
 - 16 the municipal ward (quarter, district, *Am.* zone, section)
 - 17 the tram depot (*Am. pop.* car barn)
 - 18 the department store
 - 19 the main post and telegraph office, a public building
 - 20 the opera house
 - 21 the museum
 - 22 the glass-roofed well
 - 23 the trolley bus (*Am.* trackless trolley)
 - 24 the trolley bus overhead line
 - 25 the entrance to the underground railway (to the tube, underground, *Am.* subway)
 - 26 the bombed site
 - 27 the parking place (parking ground, *Am.* parking lot), a car park
 - 28 the town parish church
 - 29 the synagogue
 - 30 the main station (central station, railway terminus)
 - 31 the outskirts of the town
 - 32 the main business street, (*Am.* main street, main artery, arterial avenue)



33 the business area (town centre, *Am.* center; city; the central area of the town, *Am.* downtown, business section)

34-45 the old town (centre, *Am.* center, of the old town):

34 the city wall, a circular wall

35 the rampart

36 the wall tower

37 the cathedral

38 the town moat

39 the city gate

40 the cul-de-sac (blind alley), an alley (alleyway, dead-end street)

41 the town hall (*Am.* city hall, city build-

42 the tower roof [ing])

43 the market (market place)

44 the market fountain

45 the historical building;

46 the market stalls (market stands)

47 the barracks with the parade ground

48 the half-timbered house (*Am.* frame house, frame home)

49 the block of flats (*Am.* apartment house, apartment hotel)

50 the covered market

51 the abattoir and cattle yard

52 the look-out tower (belvedere)

53 the sports stadium

54 the palace (castle)

55 the palace garden (castle garden)

56 the minor station

57 the botanical gardens

58 the industrial district

59 the residential area with detached houses (residential district, *Am.* residential

60 the town house section)]

61 the garden

62 the multi-storey (multi-story) garage (*Am. coll.* carport)

63 the suburban railway (*Am.* uptown railroad)

64 the sewage works (sewage disposal works, sewage treatment works, sewage purification works):

65 the settling tank

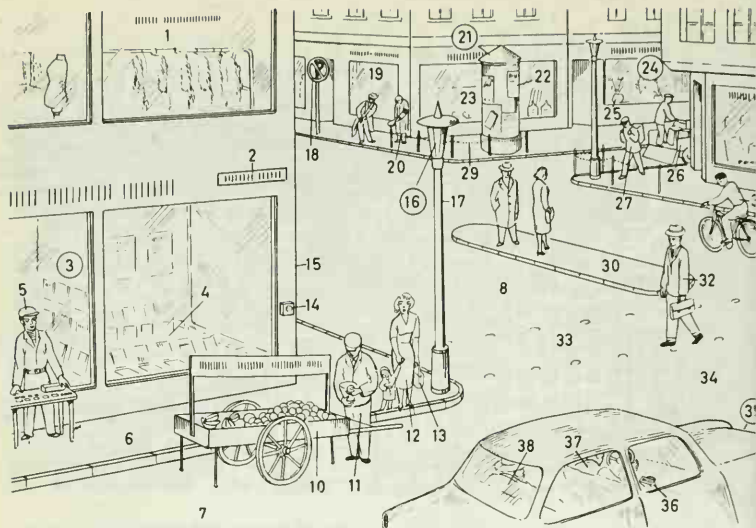
66 the sewage farm;

67 the refuse incinerator

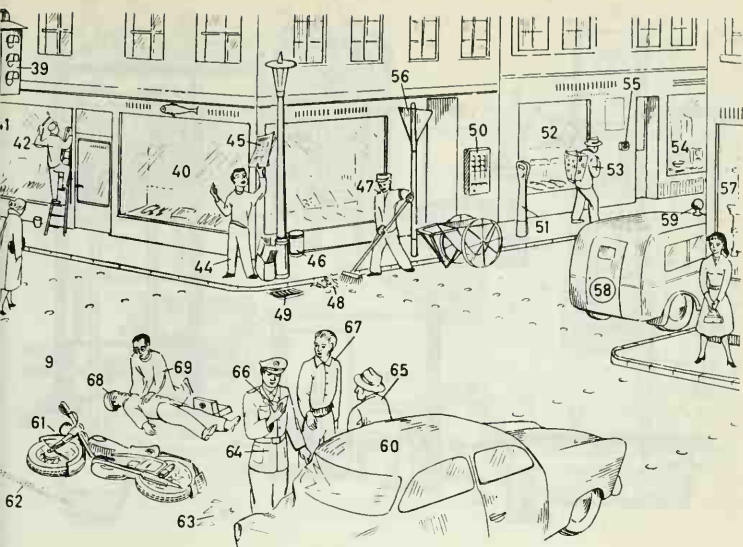
68 the allotments

69 the suburban estate (*Am.* cabin colony)

70 the car dump



- | | |
|---|--|
| 1 the furrier's shop (<i>Am.</i> furrier store), a first-floor (<i>Am.</i> second-floor) shop | 14 the police alarm |
| 2 the street nameplate (street sign with the name of the street) | 15 the street corner |
| 3 the bookshop (<i>Am.</i> bookstore; book-seller's shop, <i>Am.</i> bookseller's store) and second-hand bookshop (<i>Am.</i> used-book store); | 16 the street lamp: |
| 4 the window display; | 17 the lamp post; |
| 5 the street hawker (street vendor or vender, street seller) | 18 the no-parking sign |
| 6 the pavement (<i>Am.</i> sidewalk, walkway) | 19 the confectioner's (sweet shop, <i>Am.</i> candy store) |
| 7 the by-street (side street); <i>sim.</i> cross street (cross road) | 20 the beggar |
| 8 the main street (major road) | 21 the advertisement (poster) pillar: |
| 9 the crossing (cross roads, intersection) | 22 the poster (placard, bill, (<i>Am.</i> sticker); |
| 10 the fruit barrow (fruit cart, <i>Am.</i> pashcart) | 23 the druggist's shop (<i>Am. sim.</i> drugstore) |
| 11 the fruiterer (fruit-seller, costermonger, coster, barrow boy <i>Am.</i> vender, peddler) | 24 the florist's (flower shop): |
| 12 the customer (buyer, shopper) | 25 the window display; |
| 13 the shopping bag | 26 the coal lorry |
| | 27 the coalman |
| | 28 the chemist's shop (pharmacy, dispensary) |
| | 29 the chain barrier |
| | 30 the traffic island |
| | 31 the cyclist |
| | 32 the pedestrian |
| | 33 the pedestrian crossing |



34 the road (roadway, carriageway,
Am. pavement)

35 the taxi (taxicab, *Am.* cab) at the taxi
stand (*Am.* cab stand):

36 the taximeter

37 the taxi-driver (*Am.* cab-driver);

38 the taxi passenger (*Am.* cab passenger)

39 the traffic light (*Am.* stop-go)

40 the fish shop, a corner shop (*Am.* corner
store)

41 the show window (*Am.* shop window)

42 the window-cleaner

43 the bicycle stand (bicycle-rack)

44 the news vendor (newspaper-seller,
newspaper boy, newspaper man,
newsboy)

45 the extra (special edition)

46 the litter (waste, garbage, rubbish)
basket (bin)

47 the road-sweeper

48 the refuse (garbage)

49 the gully hole (gully drain, drain)

50 the slot machine (*Am.* vending machine)

51 the parking meter

52 the baker's shop

53 the hawker (pedlar)

54 the junk shop (second-hand shop)

55 the electric fire alarm

56 the traffic sign; *here* : Halt! Major
Road Ahead!

57 the antique shop

58-69 the traffic accident (collision,
smash-up),

58 the police van (*Am.* police car):

59 the blue light;

60 the damaged car

61 the overturned motor bicycle

62 the skid mark

63 broken glass

64 the policeman, a traffic policeman

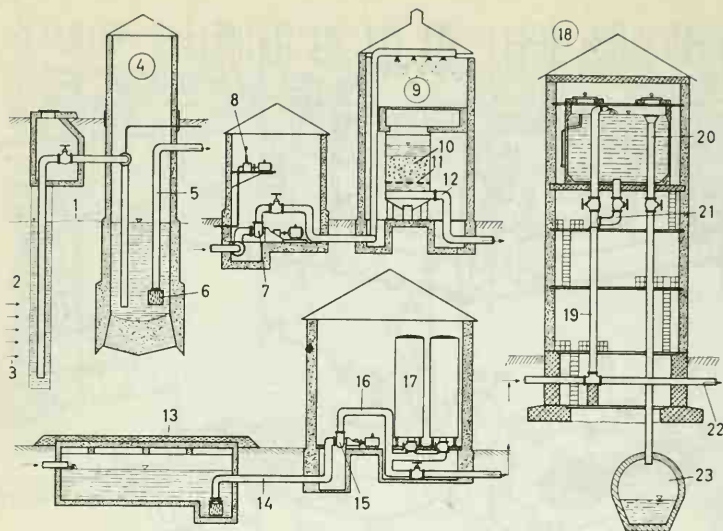
65 the motorist

66 the car documents

67 the eye witness

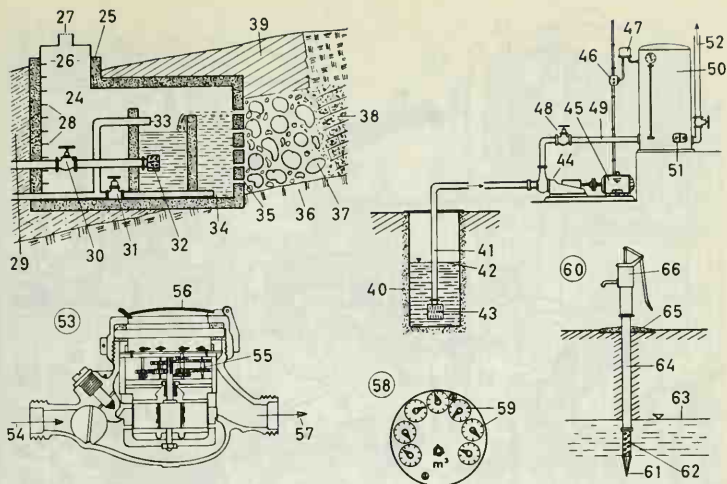
68 the motorcyclist; *here* : the injured per-
son (accident victim)

69 the doctor giving first aid



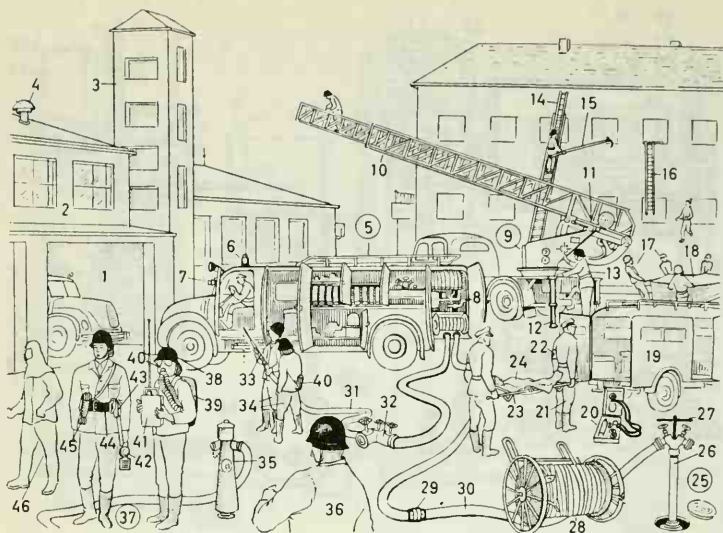
1-66 the drinking-water supply:

- 1 the water table
- 2 the water-bearing stratum (aquifer)
- 3 the ground-water stream (underground stream)
- 4 the collecting well (deep well) for the raw water:
- 5 the suction pipe
- 6 the suction rose (suction basket) with foot valve;
- 7 the water pump with motor
- 8 the vacuum pump with motor
- 9 the quick gravity filter plant (primary filter plant):
- 10 the filter gravel
- 11 the filter bottom, a screen plate (grating)
- 12 the filtered-water pipe;
- 13 the covered storage reservoir
- 14 the suction pipe with rose and foot valve
- 15 the main pump with motor
- 16 the delivery pipe
- 17 the air vessel
- 18 the water tower (service reservoir):
- 19 the inlet pipe
- 20 the overflow pipe
- 21 the outlet pipe
- 22 the distribution main
- 23 the excess water conduit;
- 24-39 tapping a spring:
- 24 the spring-water collecting chamber
- 25 the chamber wall
- 26 the access manhole
- 27 the ventilator
- 28 the climbing irons
- 29 the filling (backing)
- 30 the outlet control valve;
- 31 the bottom water outlet valve
- 32 the filter (strainer)



- 33 the overflow pipe
 34 the bottom outlet
 35 the earthenware pipes
 36 the impermeable (impervious) stratum or layer
 37 the gravel packing in front of the chamber
 38 the water-bearing stratum
 39 the clay or loam seal;
 40-52 private water supply:
 40 the well
 41 the suction pipe
 42 the ground-water level
 43 the suction rose with foot valve
 44 the centrifugal pump
 45 the motor
 46 the motor automatic safety switch
 47 the pressure controller, a switch

- 48 the globe stop valve
 49 the pump delivery pipe
 50 the air vessel (pressure vessel)
 51 the inspection manhole
 52 the delivery pipe;
 53 the rotary piston water meter:
 54 the water inlet
 55 the counter gear assembly
 56 the lid with glass cover
 57 the water outlet;
 58 the water-meter dial:
 59 the counters;
 60 the pile-driven well:
 61 the driving shoe
 62 the filter
 63 the ground-water level
 64 the well pipe (seal)
 65 the well head
 66 the hand pump (hand feed pump)



Engl. fire brigade = Am. fire department

1-46 fire brigade training

(extinguishing, climbing, ladder, and rescue work),

1-3 the fire station :

1 the engine and appliance room

2 the firemen's (*Am. fire-fighter's*) quarters

3 the drill tower;

4 the fire siren (fire alarm siren)

5 the fire engine (powered pump):

6 the blue light (warning light), a flashing light (*Am. flashlight*)

7 the signal hooter (signal horn)

8 the motor pump, a centrifugal pump;

9 the motor turntable ladder:

10 the ladder, a steel ladder (automatic extending ladder)

11 the ladder mechanism

12 the jack;

13 the operator (ladder operator)

14 the extension ladder

15 the preventer (ceiling hook)

16 the hook ladder

17 the holding squad

18 the jumping sheet

19 the ambulance (ambulance car)

20 the resuscitation equipment, an oxygen cylinder

21 the ambulance attendant

22 the armband

23 the stretcher

24 the unconscious man

25 the pit hydrant:

26 the standpipe

27 the hydrant key;

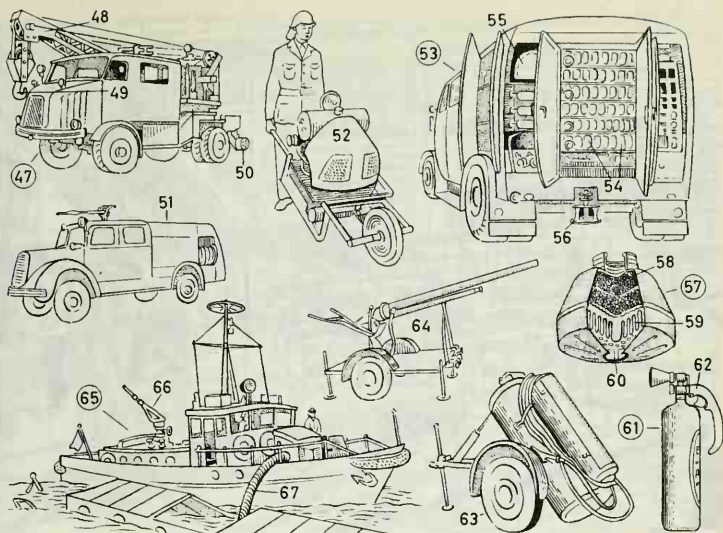
28 the portable hose reel

29 the hose coupling

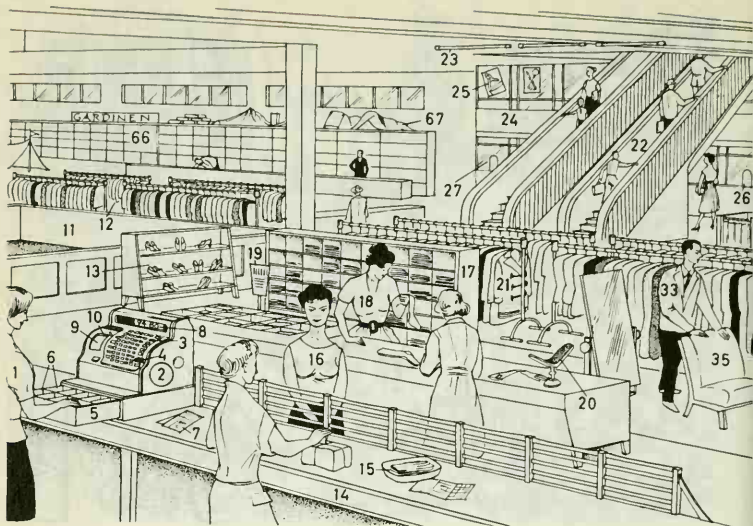
30 the suction hose

31 the delivery hose (high pressure)

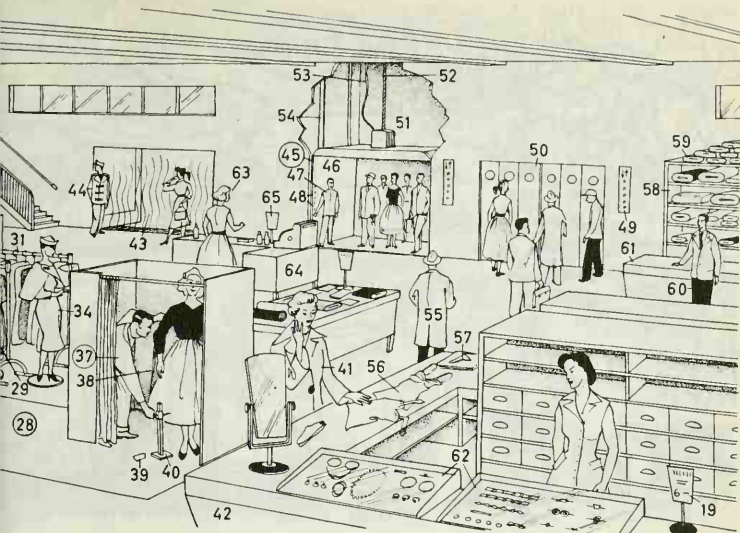
32 the dividing breeching



- 33 the branch
 34 the branchmen
 35 the surface hydrant (*Am.* fire plug)
 36 the officer in charge
 37 the fireman (*Am.* fire-fighter):
 38 the fire helmet with the neck flap (neck guard)
 39 the breathing apparatus
 40 the face mask
 41 the walkie-talkie wireless apparatus
 42 the hand lamp
 43 the fireman's axe (*Am.* fire-fighters ax)
 44 the hook belt
 45 the belt line
 46 the protective clothing of asbestos (asbestos suit) or of metallic fabric;
 47 the breakdown lorry (*Am.* crane truck, wrecking crane):
 48 the lifting crane
 49 the load hook (draw hook, *Am.* drag hook)
 50 the support roll;
 51 the water tender
 52 the portable motor pump
 53 the hose-laying and emergency tender:
 54 the flaked lengths of hose
 55 the cable drum
 56 the windlass (winch);
 57 the gas mask filter:
 58 the active carbon
 59 the dust filter
 60 the air-inler;
 61 the fire-extinguisher:
 62 the trigger valve;
 63 the portable fire-extinguisher apparatus
 64 the foam making branch pipe (water and air foam, *Am.* foam gun)
 65 the fireboat:
 66 the monitor
 67 the suction hose

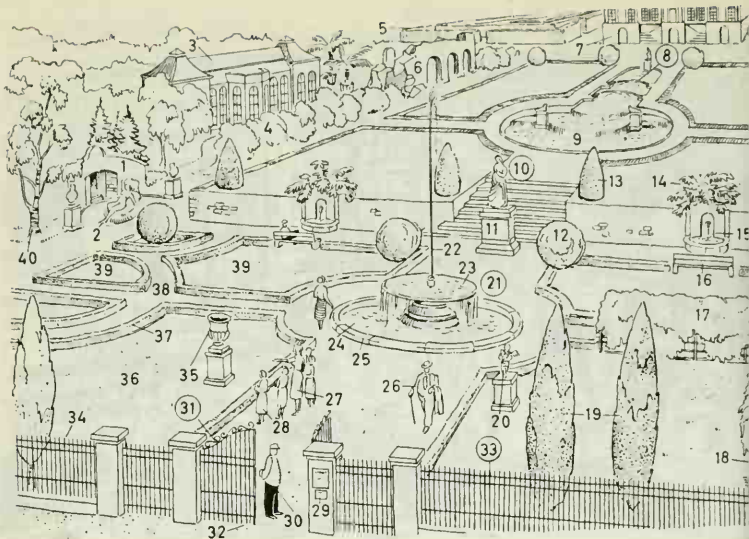


- 1 the lady cashier
- 2 the electric cash register (till):
- 3 the number keys
- 4 the correction button
- 5 the till
- 6 the money compartments for hard cash (specie, coins) and notes (*Am.* bills)
- 7 the receipted bill (bill)
- 8 the amount to be paid
- 9 the adding mechanism
- 10 the day's takings (turnover);
- 11 the glass-roofed well
- 12 the men's wear (gentlemen's wear) department
- 13 the show case (display case, indoor display window)
- 14 the wrapping counter (packing counter)
- 15 the tray for purchased articles
- 16 the lady customer (lady purchaser)
- 17 the hosiery department
- 18 the shop assistant (sales assistant, sales-girl, saleswoman, saleslady, *Am.* sales-clerk)
- 19 the price card
- 20 the glove stand
- 21 the duffle-coat, a three-quarter length coat
- 22 the escalator (moving staircase)
- 23 the fluorescent light, strip light
- 24 the travel bureau (travel agency, *Am.* downtown ticket office)
- 25 the poster
- 26 the theatre (*Am.* theater) and concert booking agency (advance-booking office)
- 27 the accounts department (*Am.* installment office; *Engl.* instalment office)
- 28 the ladies' wear department (department for ladies' clothes):
- 29 the off-the-peg (*Am.* ready-to-wear, hand-me-down, store) dress
- 30 the dust cover
- 31 the clothes hanger (hanger)



- 32 the fitting room
- 33 the shop walker (*Am.* floorwalker, supervisor)
- 34 the dummy (tailor's dummy)
- 35 the easy chair
- 36 the fashion magazine (*Am.* fashion journal)
- 37 the tailor, marking the hem line :
- 38 the tape measure (measuring tape, metre tape, *Am.* meter tape; yard tape)
- 39 the tailor's chalk
- 40 the hem-line marker;
- 41 the loose-fitting coat
- 42 the sales counters arranged in a square
- 43 the warm-air curtain
- 44 the doorman (porter, commissionaire, *Am.* janitor)
- 45 the passenger lift (lift, *Am.* elevator)
- 46 the lift cage (lift car, *Am.* elevator car)
- 47 the liftboy (*Am.* elevator boy, elevator man, elevator runner)
- 48 the lift (*Am.* elevator) controls

- 49 the floor indicator
- 50 the automatic sliding door
- 51 the lift (*Am.* elevator) shaft
- 52 the lifting rope
- 53 the control cable
- 54 the guide rail;
- 55 the customer (purchaser)
- 56 the tricot goods
- 57 the linen goods (table linen and bed
- 58 the material department (fabric) [linen department)
- 59 the roll of material (roll of cloth)
- 60 the head of the department (department manager)
- 61 the sales counter
- 62 the jewellery department
- 63 the novelty department sales assistant (salesgirl, saleslady, *Am.* salesclerk)
- 64 the bargain counter
- 65 the placard advertising bargains
- 66 the curtain department
- 67 the display on top of the shelves



1-40 the French park (Baroque park, ornamental park), palace gardens:

- 1 the grotto
- 2 the stone statue, a water nymph
- 3 the orangery
- 4 the bosket (bosk)
- 5 the maze (labyrinth of paths between hedges)
- 6 the natural open-air theatre (*Am.* open-air theater)
- 7 the Baroque castle
- 8 the ornamental fountains:
- 9 the cascade (stepped, artificial waterfall, *Am.* artificial falls);
- 10 the statue, a monument:
- 11 the monument pedestal;
- 12 the globe-staped tree, a round tree
- 13 the conical tree
- 14 the ornamental bush (ornamental shrub)
- 15 the wall fountain
- 16 the park bench
- 17 the pergola (arbour, *Am.* arbor; bower)
- 18 the gravel path
- 19 the pointed tree
- 20 the cupid (amoretto, amorino)
- 21 the fountain:
- 22 the jet of water
- 23 the overflow basin
- 24 the basin
- 25 the fountain rim (wall);
- 26 the person going for a walk
- 27 the school mistress (governess, *Am. fam.* schoolma'am)
- 28 the boarders (girls, pupils) of the girls' boarding school
- 29 the park regulations (*in Engl.* local bye-laws for parks)
- 30 the park keeper
- 31 the park gate, a wrought-iron gate:
- 32 the park entrance;
- 33 the park railings:
- 34 the railing;
- 35 the stone vase
- 36 the lawn (grass plot, grass lot)



37 the path border, a trimmed

(clipped) hedge

38 the park path

39 the ornamental flower beds

40 the birch;

41-69 the English type of park

(landscape park, natural gardens) and
park life:

41 the riding track

42 the horseman (rider), out riding
(out for a ride)

43 the amateur photographer

44 the lovers (couple of lovers, pair of
lovers, courting couple) at the rendez-
vous (date)

45 donkey-riding

46 the swan

47 the swans' house

48 the open-air meeting:

49 the soap-box orator;

50 the park pond (pond)

51 the rowing boat (boat, *Am.* rowboat)

52 the rower (oarsman)

53 the Lombardy poplar

54 the four-in-hand (carriage and four, *sim.*
Am. tallyho)

55 the disabled ex-service man (disabled
ex-soldier, disabled veteran), a cripple

56 the toy cart

57 the goldfish pond

58 the refreshment kiosk

59 the lollipop

60 the treadle scooter

61 the Salvation Army band:

62 the Salvation Army soldier (salvation-
ist)

63 the female Salvation Army cadet

64 the bonnet

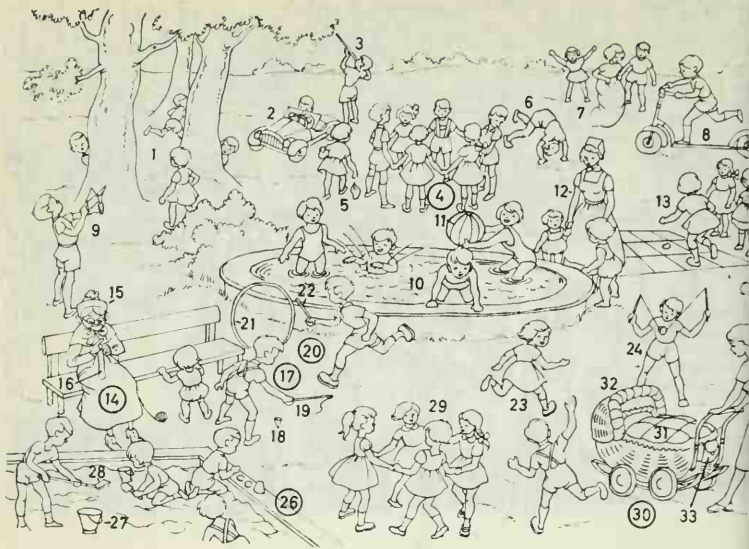
65 the collecting box (collection box);

66 the sleeping man (man asleep, sleeper)

67 the litter collector

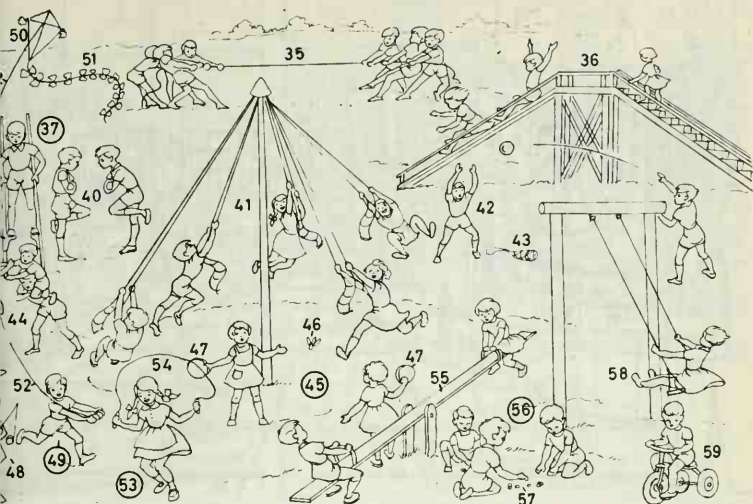
68 the park-keeper, a municipal gardener

69 the waste-paper basket

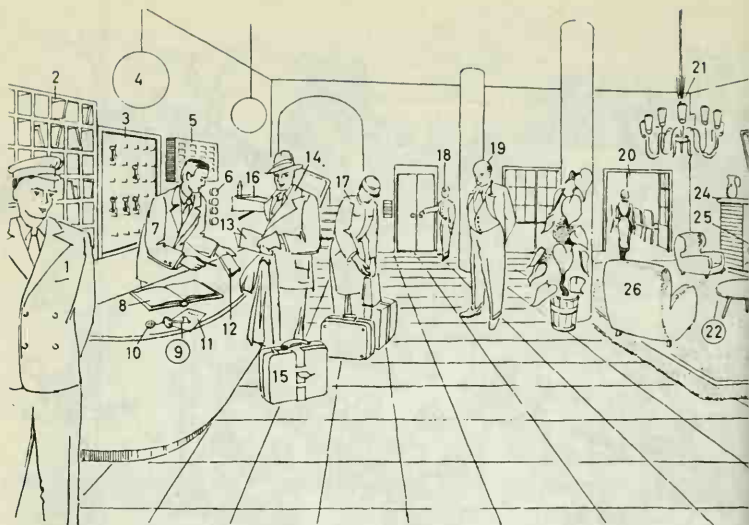


1-59 children's games (games):

- 1 the game of hide-and-seek (*Am.* hide-and-go-seek; *with babies and Am.* peek-a-boo)
- 2 the pedal car (treadle car)
- 3 the air gun
- 4 the game of drop-the-handkerchief (send a letter to my love), a round game:
- 5 the knotted handkerchief;
- 6 the somersault
- 7 the sack race
- 8 the scooter
- 9 the catapult (*Am.* slingshot, sling)
- 10 the paddling pool
- 11 the ball
- 12 the children's nurse
- 13 the game of hopscotch
- 14 the grandmother (*coll.* grandma, granny)
- 15 the bonnet
- 16 the stocking being knitted
- 17 whipping the top (spinning the top):
- 18 the top (whipping top, spinning top)
- 19 the whip;
- 20 bowling the hoop (trundling the hoop):
- 21 the hoop
- 22 the trundling stick;
- 23 playing at catch (at touch; the game of tig, or tag, or touch), an active game
- 24 the game of the devil on two sticks (diabolo), a game of skill
- 25 the diabolo (air top)
- 26 the sand pit (*Am.* sandlot):
- 27 the sand pail (sand bucket)
- 28 the sand spade;



- 29 the round dance (*types*: here we go round the mulberry bush, ring-a-ring-a-roses)
- 30 the wicker pram (wicker perambulator, cane pram, wicker baby carriage, *Am. fam.* baby buggy):
- 31 the pram coverlet (pram rug)
- 32 the hood
- 33 the cane basket;
- 34 the nanny
- 35 the game of tug-of-war
- 36 the slide (chute)
- 37 walking on stilts:
- 38 the stilt
- 39 the bracket (foothold, step, support);
- 40 the cock fight (jostling)
- 41 the giant stride (giant's stride)
- 42 the game of ball
- 43 the ball net
- 44 the pick-a-back fight
- 45 the game of battledore and shuttlecock:
- 46 the shuttlecock (shuttle)
- 47 the tambourine (battledore);
- 48 the game of yo-yo
- 49 kite-flying:
- 50 the paper kite
- 51 the kite's tail
- 52 the kite string (kite cord);
- 53 skipping (*Am.* jumping):
- 54 the skipping rope (*Am.* jumping rope);
- 55 the seesaw (*Am.* teeter, teeter board, teetering board, teeter-)
- 56 the game of marbles: [totter)
- 57 the marbles;
- 58 the swing
- 59 the child's tricycle (tricycle, *Am. fam.* trike)



1-26 the hotel vestibule (hotel entrance hall), the reception hall:

- 1 the hall porter
- 2 the letter rack with pigeon holes
- 3 the key rack
- 4 the globe (ball) lamp, a frosted-glass globe
- 5 the indicator board (drop board)
- 6 the indicator light
- 7 the chief receptionist (chief reception clerk, *Am.* desk clerk, room clerk)
- 8 the hotel register
- 9 the room key:
- 10 the number tab (tag) with the room number;
- 11 the hotel bill (*Am.* hotel check)
- 12 the block of registration forms with registration forms
- 13 the passport
- 14 the hotel guest
- 15 the light-weight suitcase, a light suitcase for air travel

16 the wall desk

17 the boots (*Am.* baggage man);

18-26 the hotel entrance lounge (hotel lobby):

18 the page boy (boy, page, hotel boy, *Am.* bell boy, *coll.* bellhop)

19 the hotel manager

20 the dining room (hotel restaurant)

21 the lustre (chandelier), a multi-light fitting

22 the fireside corner:

23 the fireplace

24 the mantelpiece (mantelshelf, chimney piece)

25 the open fire

26 the easy chair;

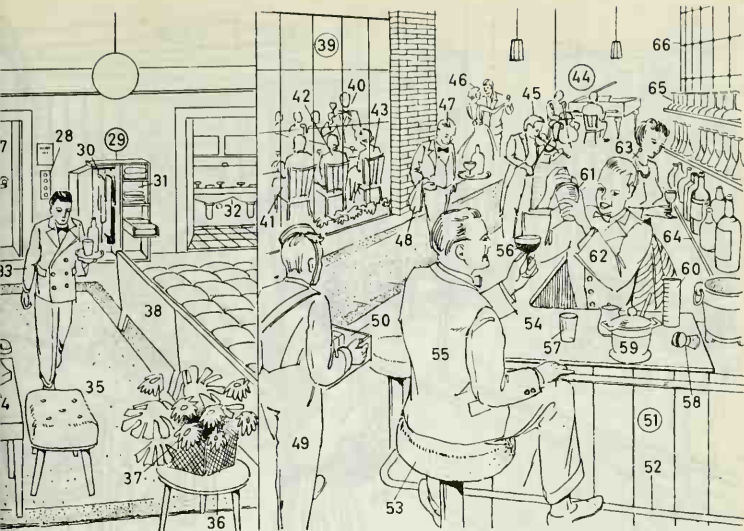
27-38 the hotel room, a double room with bath:

27 the double set of doors

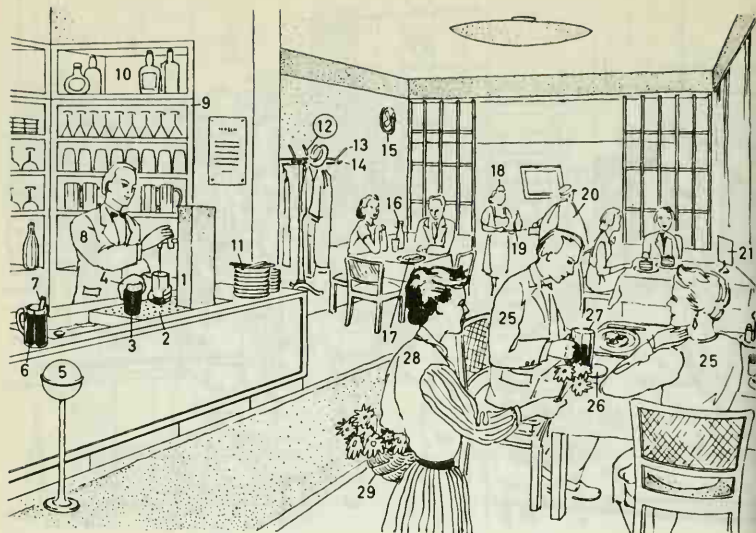
28 the service bell plate

29 the wardrobe trunk:

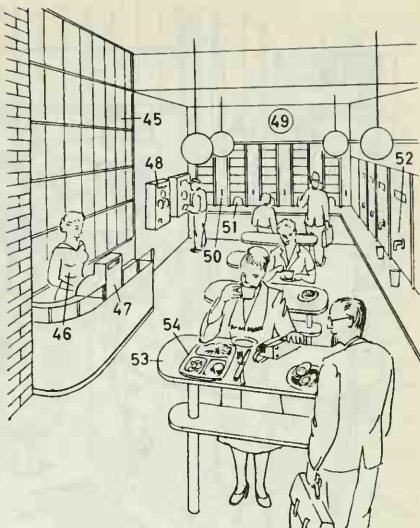
30 the clothes section (wardrobe section)



- | | |
|--|--|
| 31 the linen compartment; | 47 the waiter |
| 32 the double wash basin | 48 the napkin |
| 33 the room waiter | 49 the cigar and cigarette boy |
| 34 the room telephone | 50 the cigarette tray |
| 35 the velour(s) carpet | 51 the hotel bar: |
| 36 the flower stand | 52 the foot rail |
| 37 the flower arrangement | 53 the bar stool |
| 38 the double bed; | 54 the bar |
| 39 the banqueting hall, | 55 the bar customer (customer at the bar) |
| 40-43 the party (guests) at table | 56 the cocktail glass (<i>Am.</i> highball glass) |
| (banqueting party, private party) | 57 the whisk(e)y glass |
| at the banquet: | 58 the champagne cork |
| 40 the speaker proposing the toast | 59 the champagne bucket (champagne-cooler) |
| (toasting) | 60 the measuring beaker |
| 41 the neighbour (<i>Am.</i> neighbor) of 42 | 61 the cocktail-shaker |
| 42 the partner of 43 | 62 the barman (barkeeper, <i>Am.</i> bartender) |
| 43 the partner of 42; | 63 the barmaid |
| 44-46 the tea dance in the hotel lounge, | 64 the bottle shelf |
| 44 the bar trio (bar band): | 65 the glass shelf |
| 45 the violinist (fiddler); | 66 the mirrored panel (panelled mirror) |
| 46 the couple, dancing (pair of dancers, couple of dancers); | |

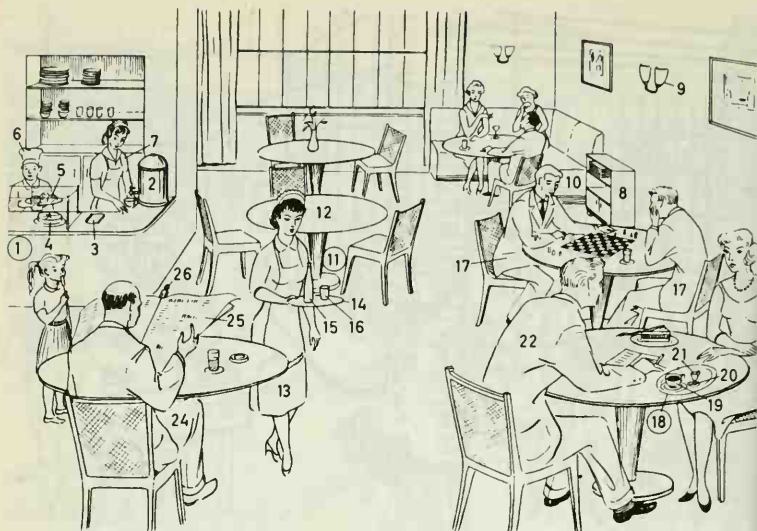


- 1-29 the restaurant; *less pretentious* :
inn, public house (*coll. pub, Am.*
beer saloon, saloon),
- 1-11 the bar (buffet, counter):
- 1 the pressurised beer dispenser
2 the rip tin
3 the beer glass, a tumbler
4 the beer froth (head)
5 the spherical ash-tray on
a stand
6 the tankard (beer mug)
7 the metal tube filled with hot
water for warming beer in glass
8 the barman (*Am. bartender, bar-*
keeper)
9 the shelf for glasses
10 the shelf for bottles
11 the pile of plates (stack of plates);
12 the clothes rack:
13 the hat peg (hat pin)
14 the coat peg (*Am. clothes-pin*);
15 the wall ventilator
16 the bottle
17 the plate of food
18 the waitress
19 the tray
20 the lottery ticket seller
21 the menu (bill of fare, *Am. menu*
card)
22 the cruet stand
23 the tooth-pick holder
24 the match-box holder
25 the customer
26 the beer mat
27 the glass of beer (tankard of beer)
28 the flower-seller (flower girl)
29 the flower basket;
30-44 the wine restaurant (wine
room):
30 the headwaiter



- 31 the wine list
- 32 the wine decanter
- 33 the wine glass
- 34 the tiled stove:
- 35 the stove tile
- 36 the stove bench;
- 37 the wooden panelling (wooden wainscoting or wainscoting, panelling, *Am.* paneling; wain-scoting)
- 38 the corner bench
- 39 the table reserved for regular customers
- 40 the regular customer
- 41 the cutlery chest (*Am.* lowboy for silverware)
- 42 the wine-cooler (ice pail):
- 43 the bottle of wine
- 44 the ice cubes (pieces of ice, lumps of ice);

- 45–54 the snack bar (*here* : cafeteria), a self-service snack bar (*Am.* automatic restaurant, automat, quick-lunch restaurant, quick lunch):
- 45 the glass wall
- 46 the lady cashier
- 47 the cash register
- 48 the amusement machine, a slot machine (*Am.* nickel-in-the-slot machine)
- 49 the food compartment machine, a slot machine:
- 50 the coin slot
- 51 the food-delivery opening;
- 52 the drink machine, a slot machine
- 53 the stand-up counter (*Am.* lunch counter)
- 54 the partitioned plate-tray (*Am.* plate dinner, plate lunch)



1-26 the café (coffeehouse) and confectioner's; *sim.* espresso bar, tea room (tea shop),

- 1 the counter:
- 2 the large coffee urn
- 3 the tray for the money
- 4 the cake
- 5 the meringue, a sugar cake with whipped cream;
- 6 the confectioner's apprentice
- 7 the girl at the counter
- 8 the newspaper shelves (newspaper rack)
- 9 the wall lamp (wall bracket lamp)
- 10 the corner bench, an upholstered bench
- 11 the café table:

12 the marble top;

13 the waitress

14 the tray (serving tray)

15 the bottle of lemonade

16 the lemonade glass

17 the chess players, playing chess (a game of chess)

18 the coffee set:

19 the cup of coffee

20 the small sugar basin (sugar bowl)

21 the cream jug (cream-server, *Am.* creamer, cream-pitcher);

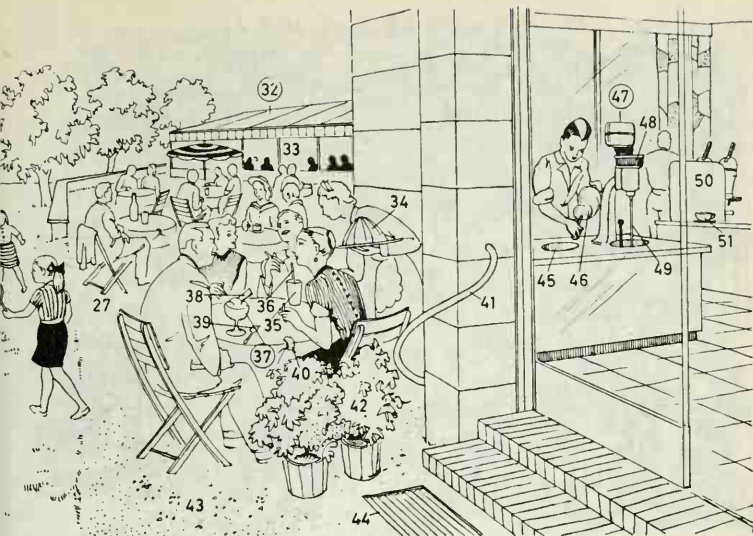
22 the admirer (escort), a young man

23 the young girl (teenager)

24 the newspaper reader, a café customer

25 the newspaper

26 the newspaper-holder;



27-44 the coffee garden, a garden café :

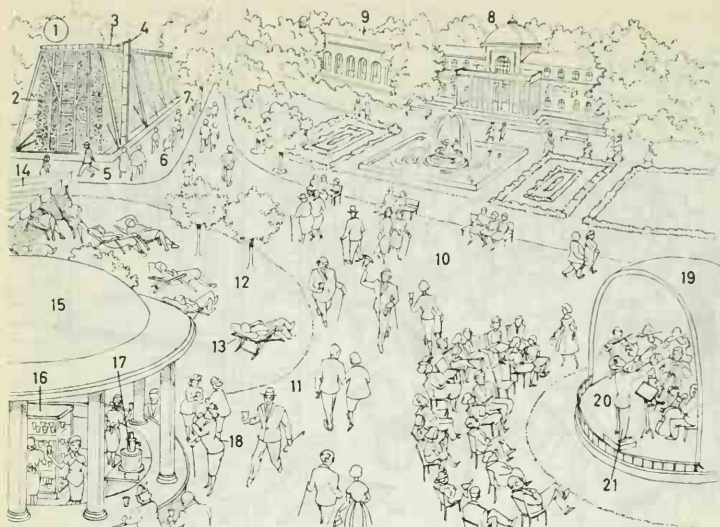
- 27 the terrace
- 28 the children, playing quoits:
- 29 the quoit
- 30 the catching stick;
- 31 the playing field
- 32 the veranda (verandah, glass veranda, *Am.* porch):
- 33 the window, a wide window;
- 34 the ice bomb
- 35 the glass of orangeade
- 36 the drinking straw, a natural or plastic drinking straw
- 37 the ice-cream dish:
- 38 the wafer
- 39 the ice-cream spoon;
- 40 the clip for holding the table cloth

41 the hand rail

- 42 the dwarf tree
- 43 the garden gravel
- 44 the foot-scraper;

45-51 the ice-cream bar and espresso bar:

- 45 the refrigerated container for preserving the ice-cream
- 46 the ice-cream
- 47 the electric ice-cream machine,
- 48 the machinery with ammonia-evaporator, compressor, and cooler:
- 49 the spiral mixer (mixing tool);
- 50 the espresso machine (Italian mocha machine)
- 51 the mocha cup



1-49 the spa (health resort, watering-place),

1-21 the spa park,

1-7 the salina (salt-works),

1 the thorn house:

2 the thorn branches

3 the distributing gutter for the brine

4 the brine pipe from the pumping station;

5 the salina attendant

6 and 7 the inhalation cure:

6 the open-air (outdoor) inhalatorium

7 the patient, inhaling (haling an inhalation, taking an inhalation);

8 the hydropathic (pump-room, spa hotel, assembly house) with the assembly hall (casino, Kursaal)

9 the colonnade (portico)

10 the spa promenade

11 the avenue leading to the mineral spring

12-14 the open-air (outdoor) rest cure:

12 the lawn for resting

13 the deck-chair

14 the sun canopy;

15-17 the mineral spring:

15 the pump-room (pavilion)

16 the rack for the glasses

17 the tap;

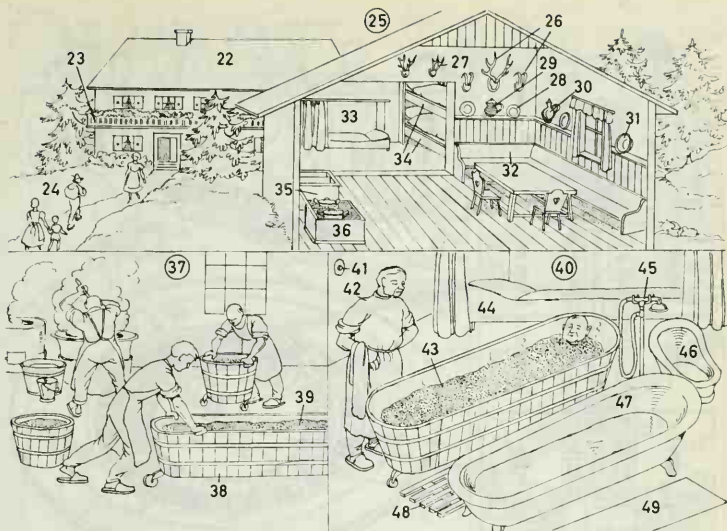
18 the visitor (patient) taking (drinking) the water

19 the bandstand

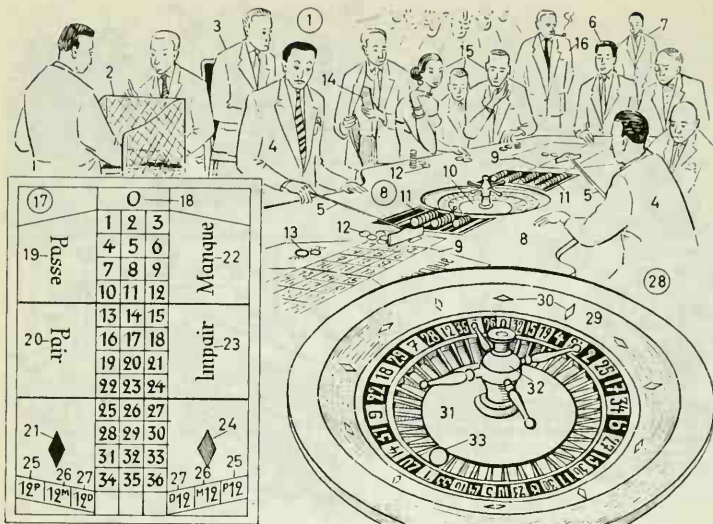
20 the spa orchestra giving a concert

21 the conductor;

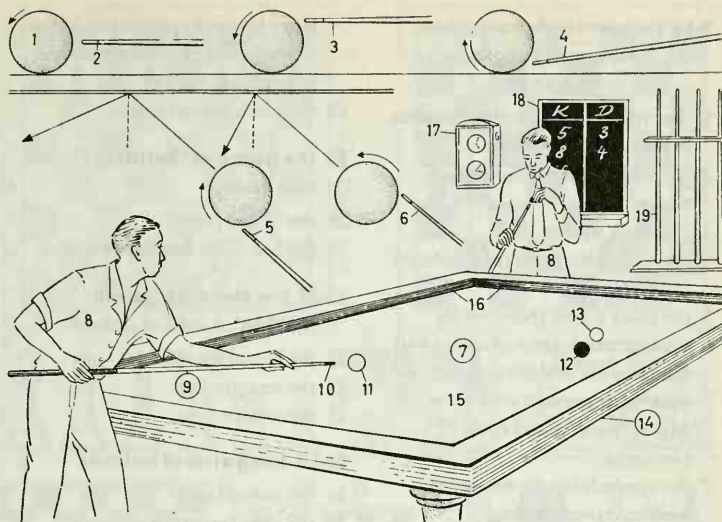
22 the boarding house (*Am.* rooming house)



- 23 the continuous balcony round the house
- 24 the boarders (holiday-makers, summer visitors, *Am.* vacationists, summerites, summer boarders)
- 25 the weekend cottage, a log house (log cabin):
- 26 the hunting trophies (trophies of the chase)
- 27 the roe antlers
- 28-31 pewter (pewter ware):
- 28 the pewter plate
- 29 the pewter jug
- 30 the pewter bottle
- 31 the pewter bowl;
- 32 the corner bench
- 33 the folding bed (box bed)
- 34 the bunks (double berth)
- 35 the ice-box
- 36 the cooking-box (self-cooker; hay-box);
- 37-49 the mud bath,
- 37 the room where the mud is prepared:
- 38 the mud tub, a wooden tub
- 39 the liquid mud (therapeutic mud);
- 40 the bathroom:
- 41 the alarm bell
- 42 the bath attendant
- 43 the full-length mud bath
- 44 the couch
- 45 the hand shower
- 46 the hip-bath for the partial mud bath
- 47 the cleansing (rinsing) bath
- 48 the duckboards (grating of wooden slats)
- 49 the bath-mat



- 1-33 roulette, a game of chance (gambling game),
- 1 the gambling hall in the casino (*Am. pop.* gambling spot);
- 2 the cash desk
- 3 the chef de partie
- 4 the croupier
- 5 the croupier's rake (money rake)
- 6 the head croupier
- 7 the hall manager
- 8 the roulette table (gambling table):
- 9 the roulette plan (plan of the game)
- 10 the roulette
- 11 the bank (pool)
- 12 the chip (counter, fish, jetton)
- 13 the stake in the compartment;
- 14 the casino entrance-card
- 15 the roulette player
- 16 the house detective (private detective, *Am.* investigator);
- 17 the roulette plan (roulette table):
- 18 Zero (nought, 0, cipher)
- 19 Passe [numbers from 19 to 36]
- 20 Pair [even numbers]
- 21 Noir (Black)
- 22 Manque [numbers from 1 to 18]
- 23 Impair [odd numbers]
- 24 Rouge (Red)
- 25 Douze premier (the first dozen) [numbers from 1 to 12]
- 26 Douze milieu (the second dozen) [numbers from 13 to 24]
- 27 Douze dernier (the third dozen) [numbers from 25 to 36];
- 28 the roulette wheel:
- 29 the roulette bowl
- 30 the stop
- 31 the revolving disk or disc, showing the numbers from 0 to 36
- 32 the cross handle
- 33 the roulette ball



1-19 the game of billiards (billiards):

1 the billiard ball, an ivory or plastic ball

2-6 billiard strokes:

2 the horizontal stroke

3 the top stroke [resulting in top spin]

4 the screw shot [resulting in a back spin]

5 the spin (twist stroke)

6 the counter-spin stroke;

7-19 the billiard room (*Am.* pool-room),

7 French billiards (carambole, cannon billiards, *Am.* carom billiards, carom; carrom billiards, carrom); *sim.* German, or English, billiards (billiards with pockets);

8 the billiard player

9 the cue:

10 the cue tip, a leather tip;

11 the white (white ball, plain white ball, cue ball)

12 the red (red ball)

13 the spot (white ball)

14 the billiard table, a slate, or marble, table:

15 the bed (table-top) with green-cloth (green-baize, billiard-cloth) covering

16 the cushion (rubber ledge, top cushion);

17 the billiard clock (timer), a control clock

18 the marker

19 the cue rest

1-16 the game of chess (chess, the royal game), a combinative, or positional, game,

- 1 the chessboard with the chessmen in the opening position:
- 2 the white square (chessboard square)
- 3 the black square
- 4 the white chessmen (men, pieces) [white = W]
- 5 the black pieces [black = B]
- 6 the German system of letters and numbers for designating the squares, for notation of chess games (moves) and chess problems
- 7 the symbols for the chessmen used to represent chess positions:
- 8 the king
- 9 the queen
- 10 the bishop
- 11 the knight
- 12 the rook (castle)
- 13 the pawn;
- 14 the moves of the different pieces
- 15 mate (check mate), a mate by knight (knight's mate position) K t - K B 6
- 16 the chess clock, a double clock for chess matches (chess championships);

17-19 the game of draughts

(draughts, *Scotch* dams, *Am.* checkers, chequers):

- 17 the draughtboard (*Scotch* dam-board, dambrod, *Am.* checker-board)
- 18 the white draughtsman (draught, *Scotch* dam, *Am.* checker), also :

piece for backgammon and morris (mereles, nine-men's morris, nine-penny morris)

- 19 the black draughtsman;

20 the game of 'Salta' [a German game]:

- 21 the 'Salta' piece;
- 22 the board for **backgammon**

23-25 the German game 'Mühle', a kind of morris:

- 23 the board for 'Mühle'
- 24 the straight row
- 25 the double row;

26-28 the game of halma :

- 26 the halma board
- 27 the yard (compound, corner)
- 28 the halma pieces (men) of different colours;

29 the dice game (dicing); *sim.* *Am.* craps (crap shooting, crap game):

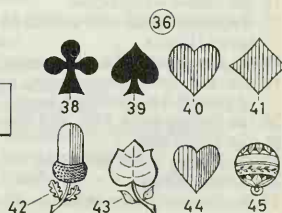
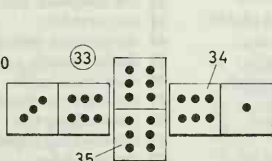
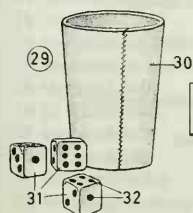
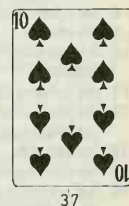
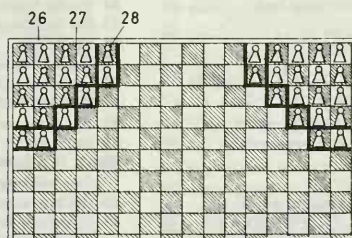
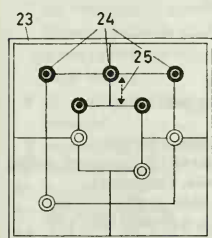
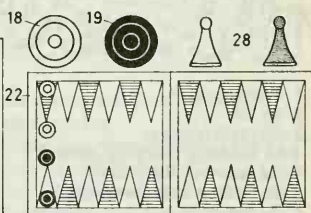
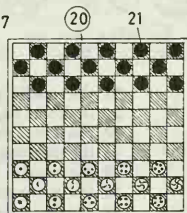
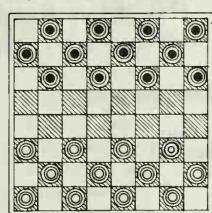
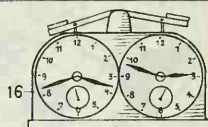
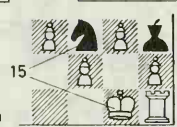
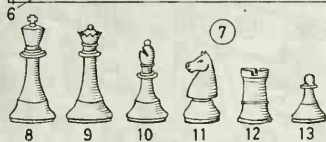
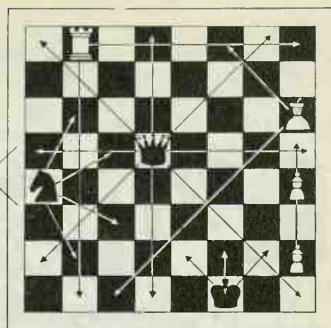
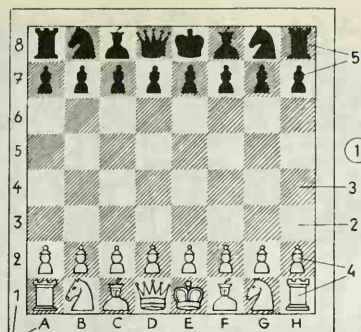
- 30 the dice box
- 31 the dices
- 32 the pips;

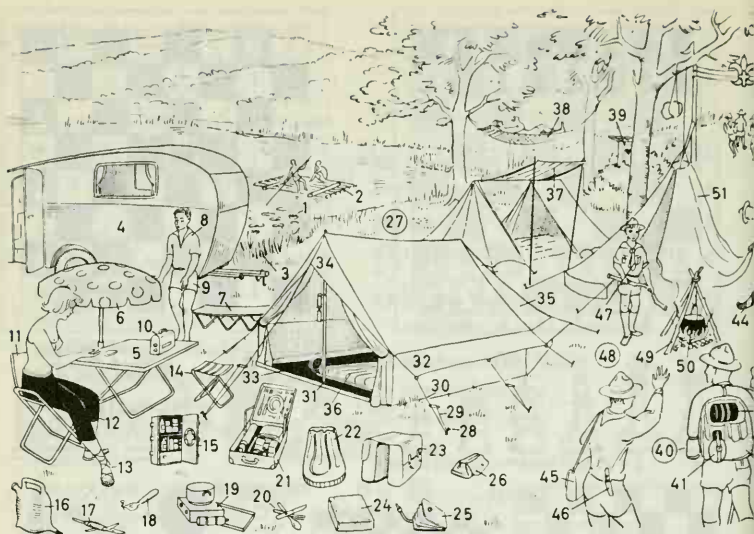
33 the game of dominoes (dominoes):

- 34 the domino brick (domino piece)
- 35 the double six;

36 playing cards (cards):

- 37 the French playing cards
- 38-45 the suits [42-45 only appear on German cards]:
- 38 and 42 clubs
- 39 and 43 spades
- 40 and 44 hearts
- 41 and 45 diamonds





- 1 the water-lily
- 2 the raft
- 3 the reeds (rushes)
- 4-52 the camp (camping-ground):
- 4 the caravan (*Am.* trailer)
- 5 the folding table (camp-table)
- 6 the sunshade
- 7 the spring-action camp bed (*Am.* cot)
- 8 the open-necked shirt
- 9 the shorts
- 10 the portable wireless (*Am.* portable radio)
- 11 the folding chair (camp-chair)
- 12 the jeans (three-quarter-length trousers)
- 13 the sandals
- 14 the folding stool (camp-stool)
- 15 the travelling (*Am.* traveling) first-aid chest (first-aid medicine chest)
- 16 the rubber water-bottle
- 17 the pocket-knife with corkscrew and several blades
- 18 the tin-opener (*Am.* can-opener)
- 19 the camp stove (picnic stove), a spirit, or petrol (*Am.* gasoline), stove
- 20 the folding knife, fork, and spoon
- 21 the picnic case
- 22 the kit-bag (*Am.* packsack)
- 23 the saddle bag
- 24 the foam-rubber cushion
- 25 the treadle bellows (foot bellows)
- 26 the toilet bag
- 27 the tent, a ridge tent:
- 28 the tent-peg (tent-pin)
- 29 the toggle
- 30 the guy-rope
- 31 the tent pole
- 32 the fly (tent fly)
- 33 the tent floor
- 34 the porch
- 35 the tent apse;
- 36 the air mattress
- 37 the tent awning (tent canopy)
- 38 the hammock
- 39 the lavatory (latrine, privy)
- 40-52 the jamboree (boy-scouts' rally; *local meeting, Am. camporee*),
- 40 the boy scout; *older member* : rover:
- 41 the water-bottle (canteen) with cup (with mug)
- 42 the knapsack (rucksack)
- 43 the mess kit;
- 44 the pennon (pennant)
- 45 the haversack
- 46 the sheath-knife
- 47 the scarf (neckerchief, kerchief)
- 48 the cooking site:
- 49 the cooking tripod
- 50 the wood fire;
- 51 the bell tent
- 52 the camp archway

1-32 the swimming pool (lido, pool, swimming baths, baths), an open-air pool:

- 1 the dressing cubicle (dressing cabin, cubicle, cabin)
- 2 the shower (shower bath)
- 3 the dressing (changing) room
- 4 the meadow (lawn) for sun bathing or lying in the fresh air

5-10 the diving arrangements:

- 5 the fancy diver (acrobatic diver)
- 6 the diving tower (tower for high diving):
- 7 the ten-metre (*Am.* meter) platform (stage, board)
- 8 the five-metre (*Am.* meter) platform (stage, board)
- 9 the three-metre (*Am.* meter) spring-board (diving board)
- 10 the one-metre (*Am.* meter) board, a springboard;
- 11 the diving pool
- 12 the straight header; *sim.* swallow dive (*Am.* swan dive)
- 13 the jump
- 14 the crouched jump (*fam.* honeypot)
- 15 the superintendent of the baths

16-20 the swimming lesson (swimming instruction):

- 16 the swimming instructor (swimming teacher)
- 17 the learner, swimming
- 18 the water wings (*coll.* Mae West)
- 19 the swimming belt (cork belt, cork ring)
- 20 land practice (stroke exercises);
- 21-23 the swimming pools (swimming baths):
- 21 the non-swimmers' pool (shallow pool for non-swimmers)
- 22 the foot bath
- 23 the swimmers' pool (deep pool for swimmers);

24-32 the free-style swimming race (relay race) of a relay team:

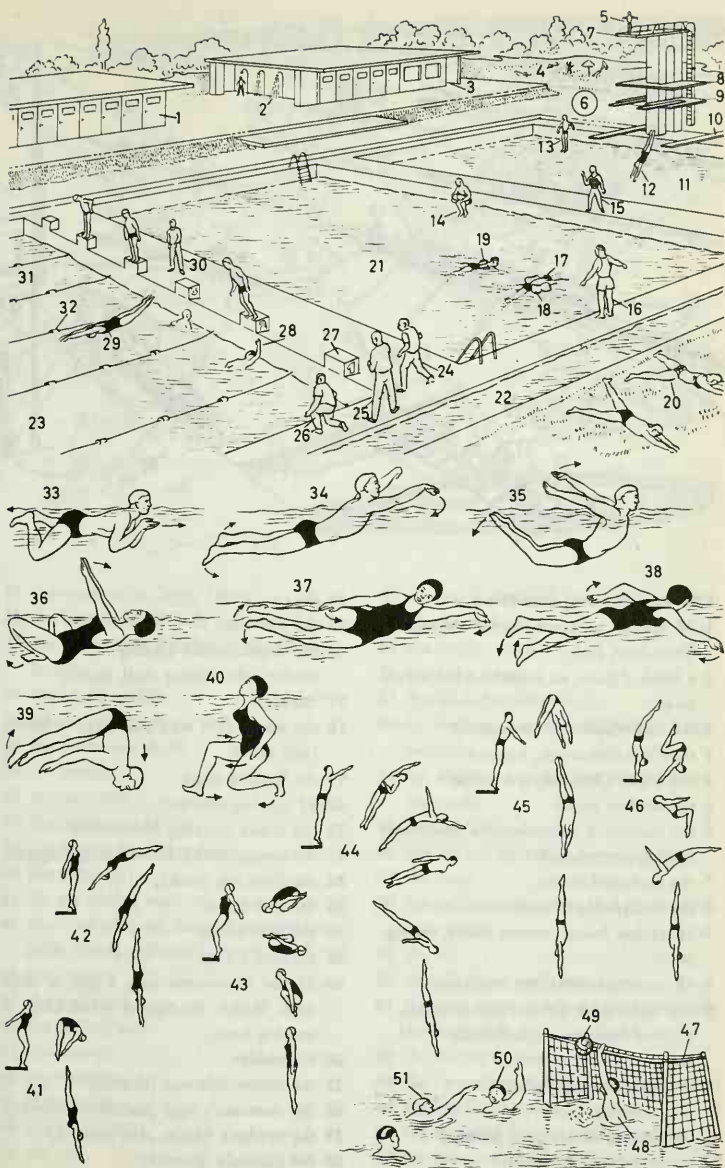
- 24 the timekeeper
- 25 the touch umpire
- 26 the turn umpire
- 27 the starting block (starting place)
- 28 a competitor touching the side
- 29 the racing dive (racing plunge)
- 30 the starter
- 31 the swimming lane
- 32 the rope with cork floats;

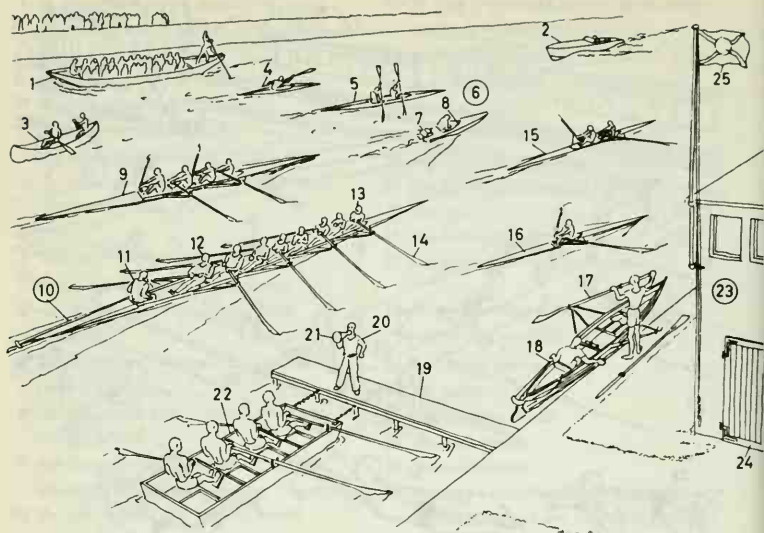
33-40 swimming strokes (styles of swimming strokes):

- 33 the breast stroke
- 34 the butterfly stroke
- 35 the dolphin stroke
- 36 the back stroke
- 37 the side stroke
- 38 the crawl (crawling); *sim.* trudgen stroke (trudgen, *err.* trudgeon; hand-over-hand swimming, double overarm stroke)
- 39 diving (underwater-swimming)
- 40 treading water;

41-46 diving (high diving, dives, acrobatic dives):

- 41 the front jack knife (pike dive), from standing position
- 42 the isander (reverse dive)
- 43 the double backward somersault
- 44 the running twist (twist dive)
- 45 the screw dive (screw)
- 46 the handstand dive;
- 47-51 water polo:**
- 47 the water polo goal
- 48 the goalkeeper
- 49 the water-polo ball
- 50 the back
- 51 the forward





1-66 rowing and paddling,

1-18 taking up positions for the regatta
(boat race, race):

1 a kind of punt, an excursion (pleasure)
boat

2 the motorboat (motor launch)

3 the Canadian canoe, a canoe

4 the kayak (Rob Roy), a canoe

5 the tandem kayak

6 the outboard motorboat, a speedboat
(racing motorboat):

7 the outboard motor

8 the cockpit (open well);

9-16 racing boats (sports boats, outrig-
gers),

9-15 rowing boats (*Am.* rowboats):

9 the light four (coxswainless four),
a carvel-built boat (shell-built
boat)

10 the eight (racing-eight):

11 the coxswain (cox)

12 the stroke, an oarsman (rower)

13 the bow (bow oarsman)

14 the oar;

15 the pair-oar;

16 the single sculler (racing
sculler, *Am.* racing shell, shell);

17 the scull

18 the single skiff with coxswain (clinker-
built skiff);

19 the landing stage

20-22 rowing practice:

20 the coach (rowing instructor)

21 the megaphone (*Am. coll.* meg, megger)

22 the fixed tub (tank);

23 the club house:

24 the boat house

25 the club's flag;

26-33 the four-oared gig, a gig, a boat
with tholes (in-rigged rowlocks), a
touring boat:

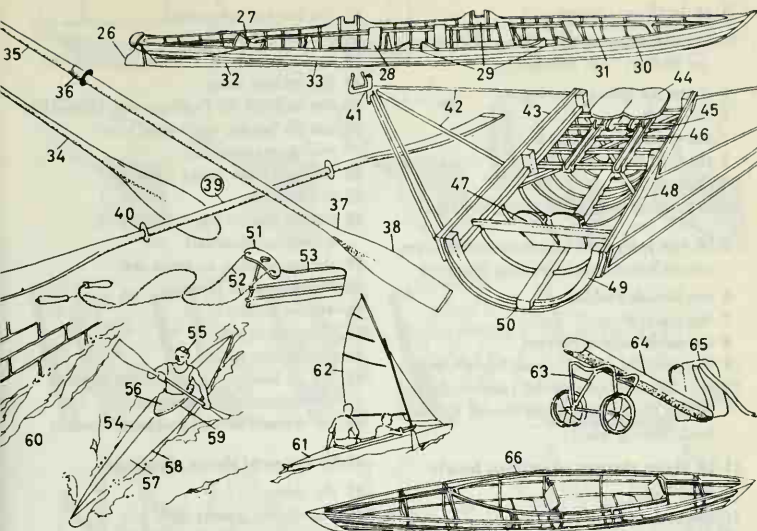
26 the rudder

27 the coxswain's seat (thwart)

28 the oarsman's seat (oarsman's thwart)

29 the rowlock (thole, *Am.* oarlock)

30 the gunwale (gunnel)



- 31 the scarboards (inner lining)
- 32 the keel (outside keel, outer keel)
- 33 the outer skin [clinker-built, clincher-built];
- 34 the single paddle
- 35-38 the oar (scull):
- 35 the shaft (oar shaft)
- 36 the button
- 37 the oar neck
- 38 the blade (oar blade);
- 39 the double-bladed paddle:
- 40 the drip cup;
- 41-50 the sliding seat:
- 41 the rowlock (*Am.* oarlock; swivel rowlock, outrigger rowlock)
- 42 the outrig
- 43 the saxboard
- 44 the sliding seat
- 45 the runner
- 46 the shoulder
- 47 the stretcher
- 48 the outer skin
- 49 the rib

- 50 the keel (inner keel, inside keel, kelson);
- 51-53 the rudder:
- 51 the rudder yoke
- 52 the yoke lines
- 53 the blade (rudder blade);
- 54-66 folding boats (collapsible boats, canoes):
- 54 the single-seater folding boat, a sporting single
- 55 the canoeist
- 56 the canvas (splasher, spray screen)
- 57 the deck
- 58 the rubberized canvas hull (outer hull, boat skin)
- 59 the sill
- 60 the raft chute (raft channel)
- 61 the two-seater folding boat, a touring double-seater
- 62 the sail for folding boat
- 63 the two-wheeled boat carriage
- 64 the bag for the rods
- 65 the rucksack for the hull (skin, shell)
- 66 the frame of the folding boat

1-60 sailing (yachting),

1-10 hull shapes of sailing boats

(of yachts; *Am.* sailboats),

1-4 the sea-going keel yacht:

1 the stern

2 the spoon-shaped bow

3 the keel (ballast keel)

4 the rudder;

5 the racing keel-yacht with lead keel

6-10 the jolly boat, a centre-board (*Am.* center board) yacht (sailing dinghy):

6 the liftable rudder

7 the cockpit

8 the cabin superstructure

9 the straight stem (up-and-down stem)

10 the liftable (movable) centre board (drop keel; *Am.* center board, shifting keel, sliding keel);

11-18 stern shapes of sailing boats (of yachts):

11 the yacht stern

12 the yacht's square stern (transom stern)

13 the canoe stern

14 the cruiser stern (double-end stern)

15 the deadwood

16 the name-plate

17 the square stern

18 the transom;

19-26 the planking,

19-21 the clinker (clincher, clencher) planking:

19 the outside plank

20 the frame (rib), a transverse frame

21 the clinch (clinched, clenched) nail;

22 the carvel planking

23 the seam-frame construction

24 the seam frame, a longitudinal frame

25 the diagonal carvel planking

26 the inner planking;

27-50 types of yachts:

27 the schooner yacht 'America' [1851]

28-32 the schooner yacht, a two-master:

28 the mainsail

29 the schooner foresail

30 the jib topsail

31 the jib header rig, a schooner with triangular mainsail

32 the staysail schooner;

33-36 the yawl:

33 the mizzen sail

34 the mizzen mast

35 the balloon jib (balloon sail, Genoa jib)

36 the jib header rig, a yawl with triangular mainsail;

37-40 the cutter yacht (cutter):

37 the topsail

38 the jib header rig, a yacht with triangular mainsail

39 the spinnaker, an extra sail

40 the spinnaker boom;

41-44 the ketch:

41 the mizzen sail

42 the mizzen mast

43 the jib header rig, a ketch with main and mizzen triangular sails

44 the staysail ketch (wishbone ketch);

45-50 types of sloop riggings:

45 the sloop

46 the sliding gunter gaff

47 the stern stay (after stay)

48 the bow stay

49 the bow stay jumper strut

50 the Baltic Sea sloop;

51-60 the regatta (regatta-sailing, the sailing regatta):

51 the start

52-54 going about (tacking, making about, putting about; change of direction when sailing to windward; *repeated tacking*: beating):

52 luffing (rounding to) [let fly foresheet, haul main sheet, luff the helm, down the helm, port the helm]

53 the sails shiver or flap

54 belay the sails;

55 the turning buoy (turning mark)

56-58 wearing (change of direction when sailing before the wind):

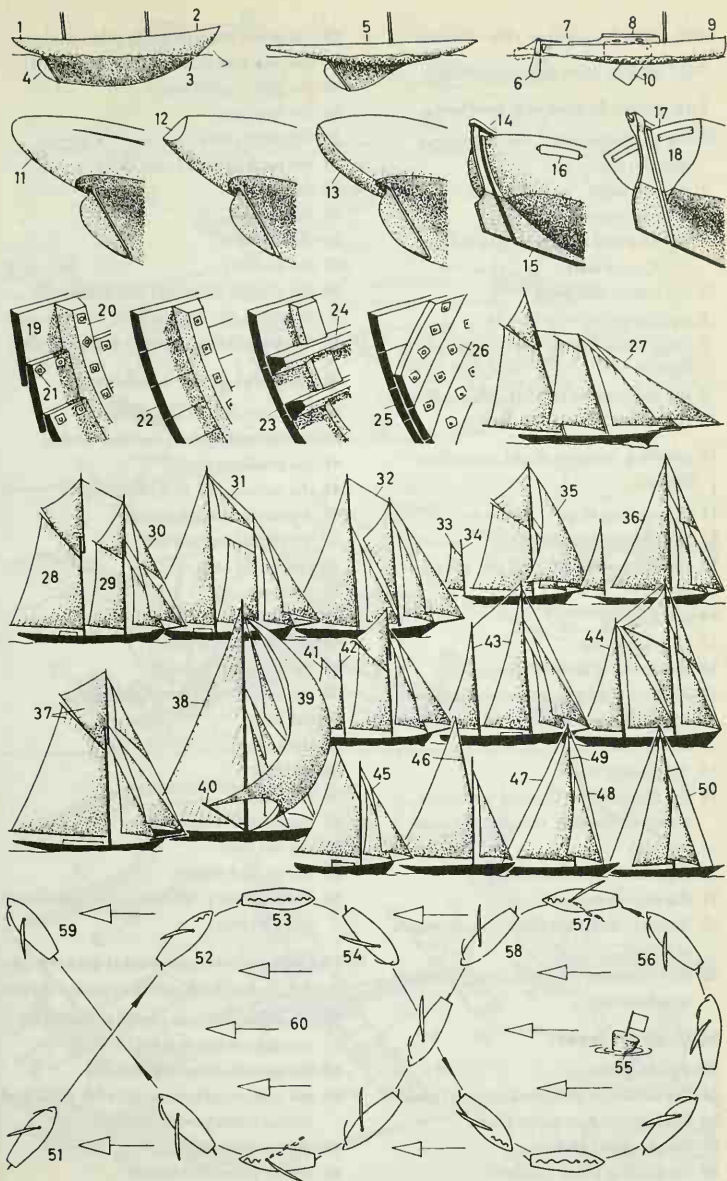
56 falling off

57 the foresail shivers or flaps

58 belay the sails;

59 the finish

60 the direction of wind



Engl. glider [aircraft] = *Am.* sailplane

1-23 gliding (soaring, sailplaning),

1-12 glider launching methods,

- 1 the motorcar-tow (*Am.* auto-tow) launch or take-off;
- 2 the tow rope
- 3 the tow motorcar;
- 4 the winched launch or take-off (*Am.* rope start);
- 5 the retrievable rope
- 6 the retrieving winch;
- 7 the aircraft-towed take-off (aero-tow flight);
- 8 the tug (tractor aircraft, towing aircraft)
- 9 the towed glider;

10 gliding (soaring flight, motorless flight):

- 11 the starting slope
- 12 the hill-top take-off;
- 13 the orographic lift (hill lift, hill up-current)
- 14 hill soaring
- 15 cloud soaring
- 16 the cumulus cloud ('wool-pack')
- 17 looping the loop, an aerobatic figure (motorless aerobatics, motorless stunt flying)
- 18 the gliding flight
- 19 the thermal lift (thermal upcurrent, warm-air current, thermal, thermal bubble)
- 20 thermal (thermic) soaring
- 21 the thunderstorm front
- 22 front (frontal) soaring (thunderstorm soaring)
- 23 wave soaring (foehn soaring, chinook wind soaring);

24-37 glider types:

- 24 the sea glider
- 25 the transport (freight-carrying) glider
- 26 the high-performance glider
- 27 the powered glider;
- 28 the gliding plane (glider):

- 29 the glider pilot (soaring pilot, glider; soaring instructor, flying instructor)
- 30 the glider-pilot pupil
- 31 the fuselage
- 32 the pilot's seat
- 33 the landing skid (*Am.* ski)
- 34 the strut
- 35 the wing
- 36 the elevator
- 37 the rudder;
- 38 the gliding (soaring) site, terrain, or ground (*Am.* gliding field, soaring field)
- 39 the glider hangars with the gliding club

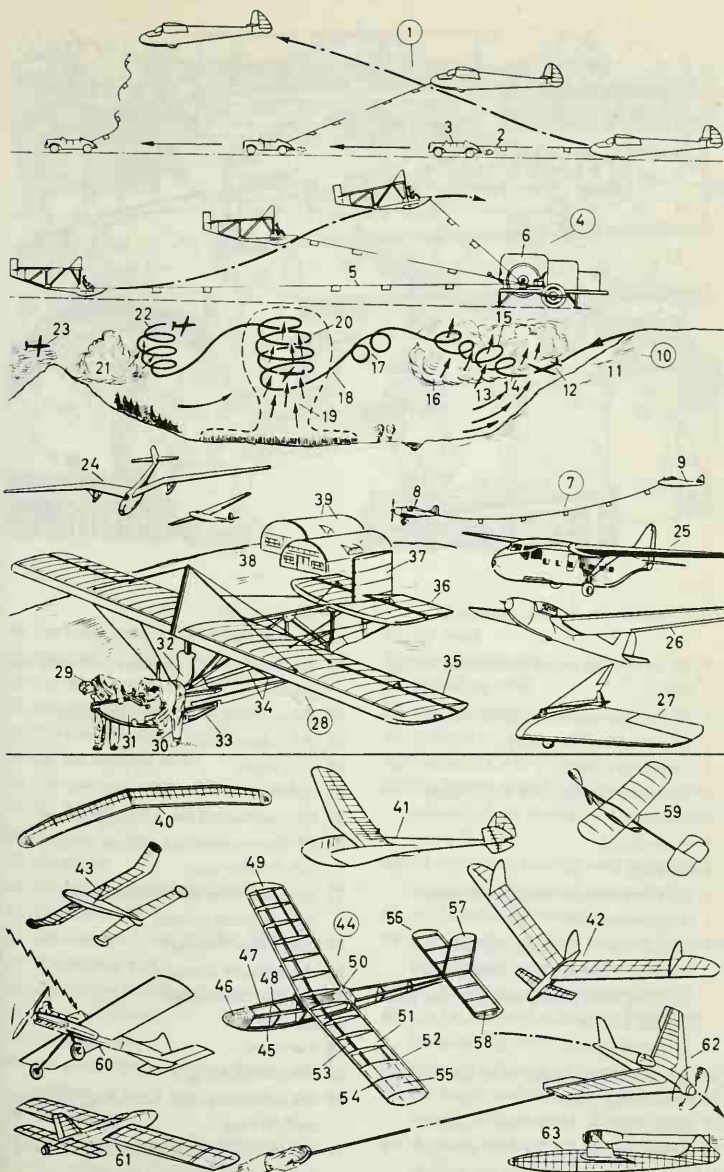
40-63 model glider construction,

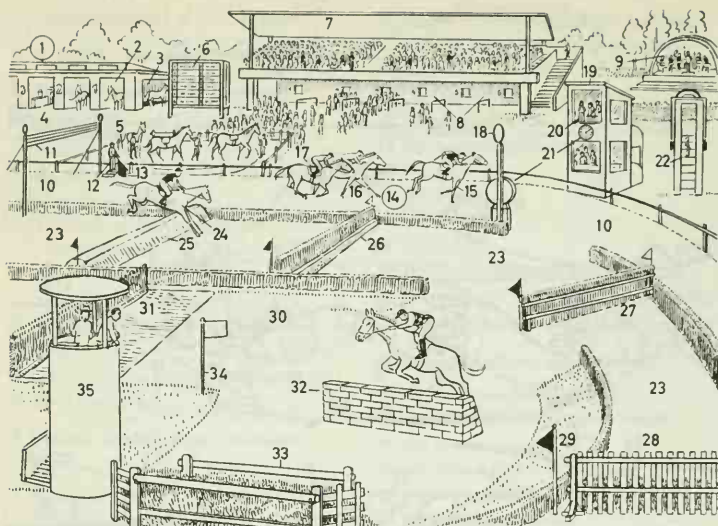
40-58 motorless model gliders:

- 40 the all-wing model (tailless model)
- 41 the standard model
- 42 the canard (tail-first) model
- 43 the tandem-wing model
- 44 the model framework:
- 45 the model skid
- 46 the nose
- 47 the fuselage
- 48 the plywood frame
- 49 the wing-tip former
- 50 the sparboom (flange, member)
- 51 the wing
- 52 the aileron
- 53 the spar
- 54 the rib
- 55 the cover (fabric, skin)
- 56 the tail unit
- 57 the fin and rudder
- 58 the tailplane (*Am.* horizontal stabilizer) and elevator:

59-63 power-driven model gliders (glider models with auxiliary motor drive):

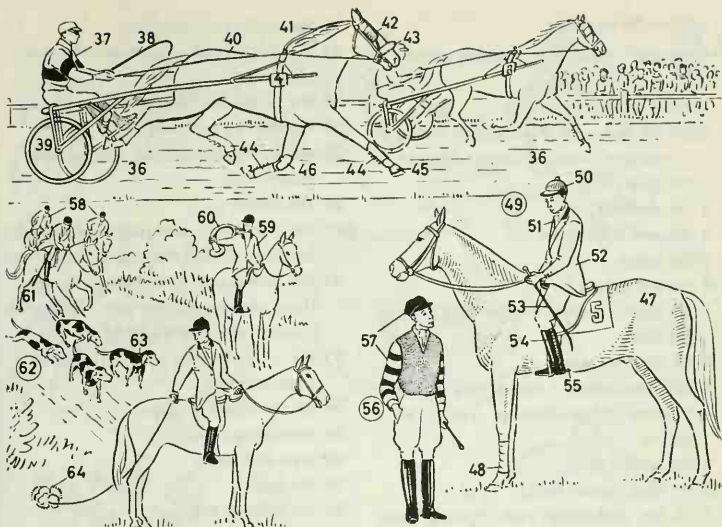
- 59 the rubber-driven model powered by twisted rubber threads
- 60 the remote-controlled model
- 61 the rocket-driven model with solid-fuel rocket (with powder rocket)
- 62 the captive model
- 63 the jet-propelled model





Engl. racecourse = Am. racetrack

- | | |
|--|---|
| 1–29, 36–46 the horse race (horse racing, turf), | 15 the favourite |
| 1–35 the racecourse (course, turf), | 16 the outsider; |
| 1–29 flat races (flat racing), | 17 the weight cloth (saddle cloth with lead plates) |
| 1 the stable (stalls): | 18 the winning post with the mirror |
| 2 the stall box (box; <i>sim.</i> loose box) | 19 the judges' box |
| 3 the scales; | 20 the judges |
| 4 the paddock | 21 the timer |
| 5 the ring | 22 the numbers of the winning horses |
| 6 the starter board (number boards) | 23–29 the steeplechase ('chase, hunt); <i>sim.</i> hurdle race: |
| 7 the grandstand | 23 the racecourse for steeplechasing (steeplechase course) |
| 8 the totalisator (totalizator; <i>coll. tote</i>) with the windows for placing bets (making bets, laying wagers, <i>Am.</i> playing the races) | 24 the hunter ('chaser) |
| 9 the bandstand | 25 the bank, an obstacle |
| 10 the racecourse for flat races (flat course) | 26 the ditch and hedge |
| 11 the starting gate | 27 the hurdle |
| 12 the starter | 28 the fence |
| 13 the starting flag | 29 the marking flag; |
| 14 the racehorses (field): | 30 the schooling lane for riding, jumping, and driving |
| | 31–34 training for show jumping or speed jumping: |



- 31 the water jump with hedge
- 32 the wall
- 33 the double oxer (spread fences)
- 34 the turning flag;
- 35 the course judges' box;
- 36-46 the trotting race:
- 36 the trotting course, a hard course
- 37 the driver
- 38 the whip
- 39 the sulky
- 40 the trotting horse (strotter)
- 41 the checkrein
- 42 the blinkers (*Am.* blinder, blinders)
- 43 the shadow roll
- 44 the tendon (brushing) boot
- 45 the rubber boot
- 46 the knee pad;
- 47 the saddle horse (riding horse, *Am.* saddler)
- 48 the bandage
- 49 the gentleman rider (amateur rider);
- 50 the riding cap (hunting cap)

- 51 the stock
- 52 the riding jacket
- 53 the riding whip
- 54 the riding boot
- 55 the spur;
- 56 the jockey, a professional:
- 57 the jockey dress in the colours (*Am.* colors) of the racing stud, a silk blouse and silk cap;
- 58-64 the hunt (hunting with hounds);
here : a drag hunt; *sim.* paper chase:
- 58 the hunter (huntsman)
- 59 the whipper-in (hunt servant) blowing the finish of the hunt (the death)
- 60 the hunting horn [continental type]
- 61 the Master (*in fox-hunting* : Master of Foxhounds, M.F.H.)
- 62 the pack of hounds (pack):
- 63 the staghound (buckhound, deerhound, beagle; *in fox-hunting* : foxhounds);
- 64 the drag with the billet (fox droppings; *in Engl.* an aniseed trail)

273 Cycle Racing and Motor Sports

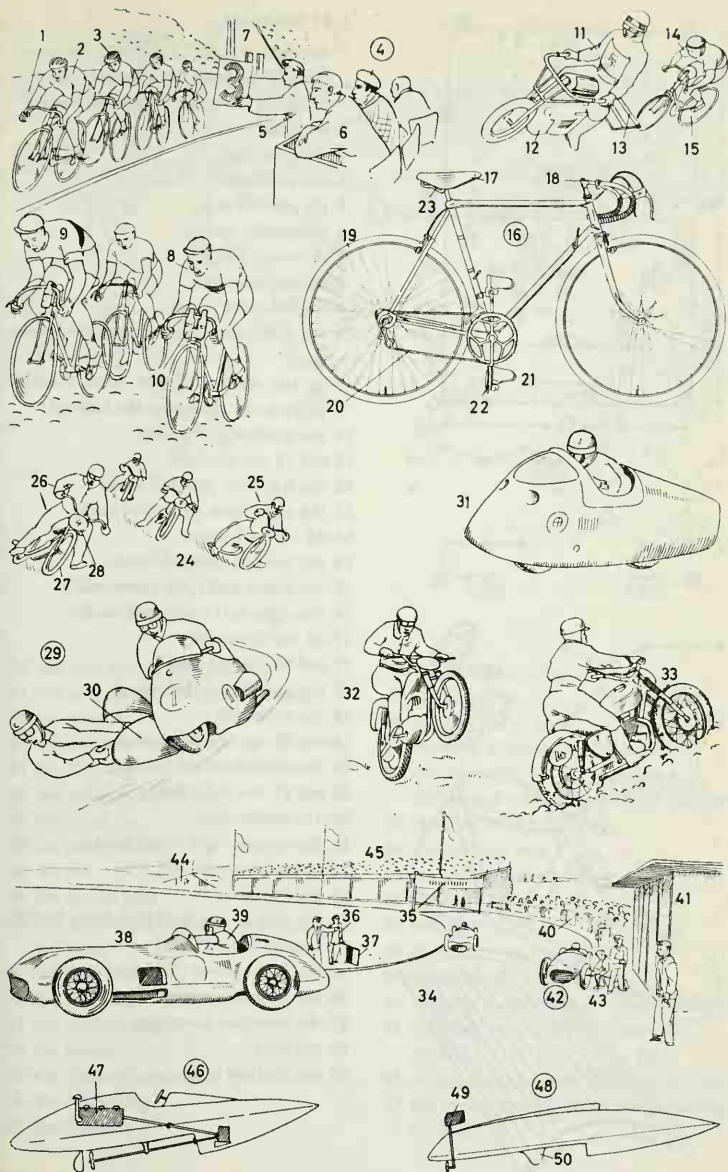
1-23 cycle racing:

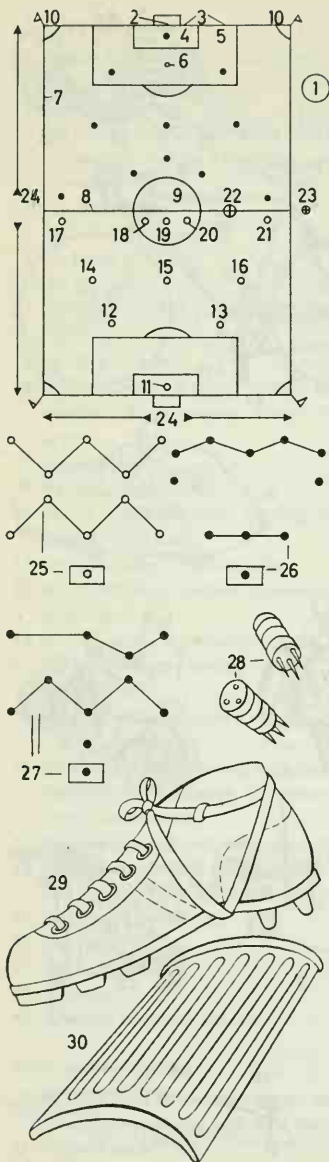
- 1 the track (cycle track, cycling track);
here : indoor track
- 2-7 the six-day race:
- 2 the six-day racer, a track rider (racer, competitor), making a spurt during the race
- 3 the crash helmet
- 4 the race committee:
- 5 the judge
- 6 the lap-judge;
- 7 the racers' (riders', competitors') pavilion;
- 8-10 the road race:
- 8 the road racer, a racing cyclist; *sim.* sprinter (short-distance racer) in a sprint
- 9 the racer's shirt
- 10 the flask (water flask);
- 11 15 the endurance race (staying race, long-distance race):
- 11 the pacemaker, a motorcyclist
- 12 the pacemaker's machine (pacemaker's motorcycle)
- 13 the disk (disc), a protective device
- 14 the long-distance cyclist, a professional racer
- 15 the long-distance cyclist's bicycle, a racing bicycle;
- 16 the racing bicycle (racing cycle, racing machine) for road races, a road-racing bicycle (road racer):
- 17 the racing saddle, an unsprung saddle
- 18 the drop handlebars (racing handlebars)
- 19 the tubular tyre or tire
- 20 the chain
- 21 the racing toe cap
- 22 the strap
- 23 the spare tubular tyre or tire;

24-50 motor sports,

- 24-28 sand-track race, a motorcycle race;
sim. grass-track race and road race:
- 24 the sand track

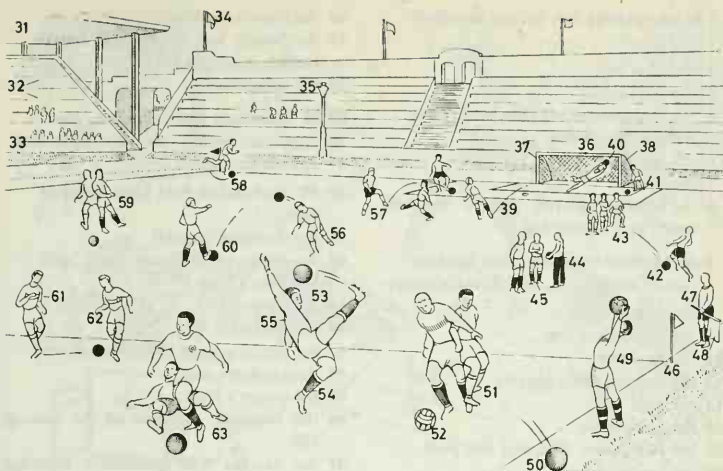
- 25 the racing motorcyclist
- 26 the competitor's protective leather clothing
- 27 the racing machine, a solo machine
- 28 the starting number;
- 29 the racing motorcycle with sidecar cornering:
- 30 the sidecar;
- 31 the completely enclosed world-record-breaking machine during the record run
- 32 the motorcycle gymkhana, a competition in riding ability; *here* : the motorcyclist, performing a jump
- 33 the cross-country race (hill climb), a capacity test
- 34-45 the motorcar race:
- 34 the racing track
- 35 start and finish
- 36 the starter
- 37 the starting flag
- 38 the racing car (racer)
- 39 the racing driver
- 40 the bale of straw
- 41 the pit
- 42 tyre-changing (tire-changing):
- 43 the pit mechanic;
- 44 the first-aid tent
- 45 the grandstand;
- 46-50 racing boats (sports boats) [section]:
- 46 the transversely and longitudinally stepped racing boat:
- 47 the motor;
- 48 the racing boat (stepped boat) with outboard motor; *sim.* hydroplane:
- 49 the outboard motor
- 50 the stabilizing fin





1-63 Football,

- 1 the field (football field) and the positions of the team for a football game or match (association football, soccer);
- 2 the goal
- 3 the goal line
- 4 the goal area
- 5 the penalty area
- 6 the penalty spot
- 7 the touch-line
- 8 the half-way line
- 9 the ten-yards' circle
- 10 the corner area (corner) with the corner flag;
- 11-21 the team (football team, football players, the eleven) at the kick-off:
- 11 the goalkeeper (goalie)
- 12 and 13 the defence:
- 12 the left back (left full back)
- 13 the right back (right full back);
- 14-16 the half-backs:
- 14 the left half (left half-back)
- 15 the centre half (*Am.* center half)
- 16 the right half (right half-back);
- 17-21 the forwards,
- 17 and 18 the left flank:
- 17 the outside left (left wing)
- 18 the inside left;
- 18 and 20 the inside forwards
- 19 the centre forward (centre)
- 20 and 21 the right flank:
- 20 the inside right
- 21 the outside right (right wing);
- 22 the referee (*coll.* ref)
- 23 the linesman
- 24 the size of the field [100-130 x 50-100 usually 115 x 75 yds]
- 25 the WM-system (WM-formation)
- 26 the Swiss formation
- 27 the Brazilian formation
- 28 the stud
- 29 the football boot



- 30 the shin guard (shin pad)
 31 the grandstand (spectators' stand):
 32 the terrace
 33 the barrier;
 34 the club flag
 35 the loudspeaker mast
 36 the cross bar
 37 the goal post
 38 the net
 39 the shot at goal
 40 the goalkeeper (goalie) punching the ball clear
 41 the goal kick
 42 the free kick
 43 the wall of players
 44 the trainer
 45 the reserve (substitute)
 46 the centre flag
 47 the linesman
 48 the linesman's flag
 49 the throw-in
 50 the ball out of play
 51 the foul, a violation of the rules
 52 the football (*Am. coll.* pigskin), a hollow ball with inflated rubber bladder
 53 the over head kick
 54 the football sock
 55 the shirt (football shirt)
 56 the header
 57 offside
 58 the corner (corner kick)
 59 obstruction
 60 trapping the ball with the sole of the boot
 61 the pass, passing the ball along the ground
 62 taking the ball on the inside of the foot
 63 the break through, a dribble (dribbling the ball)

1-8 handball; *sim.* indoor handball:

- 1 the goal
- 2 the goal line
- 3 the goal area
- 4 the thirteen-metre (*Am.* meter) line
- 5 the free-throw line
- 6 the penalty corner
- 7 the corner
- 8 the handball player, one of the field team, swiping the ball;

9-18 hockey (*rare Am.* field hockey, bandy, bandy ball); *sim.* shinty (shinny):

- 9 the side line
- 10 the seven-yard line
- 11 the goal line
- 12 the striking circle (circle)
- 13 the goal
- 14 the goalkeeper
- 15 the pad (knee, shin, and toe, pad)
- 16 the hockey player
- 17 the hockey stick (stick)
- 18 the hockey ball, a cork ball with leather cover;

19-27 rugby (rugby football; *coll.* rugger):

- 19 the scrum (scrummage, *rare*: scrimmage)
- 20 the oval (egg-shaped) rugby ball
- 21-27 the field (rugby field, *Am. coll.* gridiron):
- 21 the goal line
- 22 the in-goal
- 23 the touch line
- 24 the goal
- 25 the twenty-five yard line
- 26 the ten-yard line
- 27 the half-way line;

28-30 American football:

- 28 the football player
- 29 the crash helmet
- 30 the shoulder pad;

31-38 basketball:

- 31 the ball
- 32 the backboard
- 33 the basket (elevated goal)
- 34-36 the basketball court:
- 34 the goal line
- 35 the free-throw area

- 36 the free-throw line;
- 37 the basketball player (*coll.* basketballer), scoring a goal
- 38 the substitutes;

39-54 baseball (the ball game, great American game); *sim.* rounders and American softball,

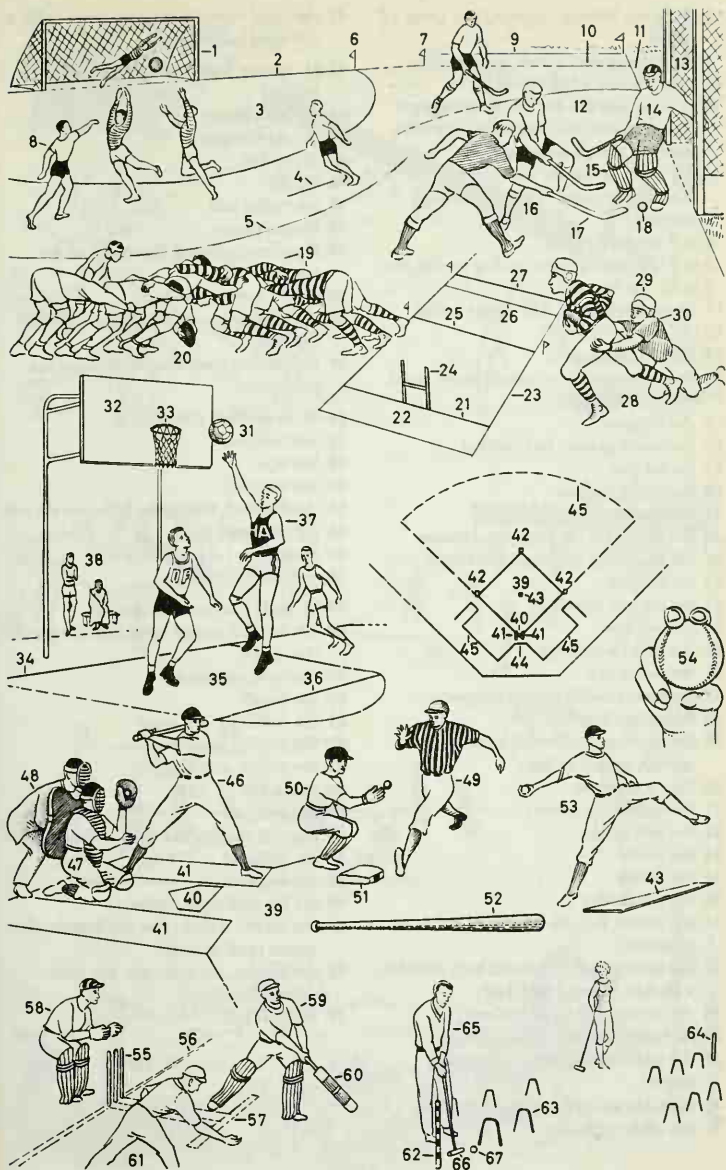
- 39-45 the baseball field (*Am.* baseball park):
- 39 the diamond (infield)
- 40 the home plate (home base) with batsman's lines
- 41 the batter's box
- 42 the field base
- 43 the pitching plate (pitching rubber)
- 44 the catcher's area
- 45 the player's line;
- 46 the batsman, a player of the batting side
- 47 the catcher with protective clothing and catcher's mitt
- 48 the umpire
- 49 a batsman running towards the field base
- 50 the baseman, a player of the fielding side
- 51 the base bag
- 52 the baseball bat
- 53 the pitcher
- 54 the baseball;

55-61 cricket:

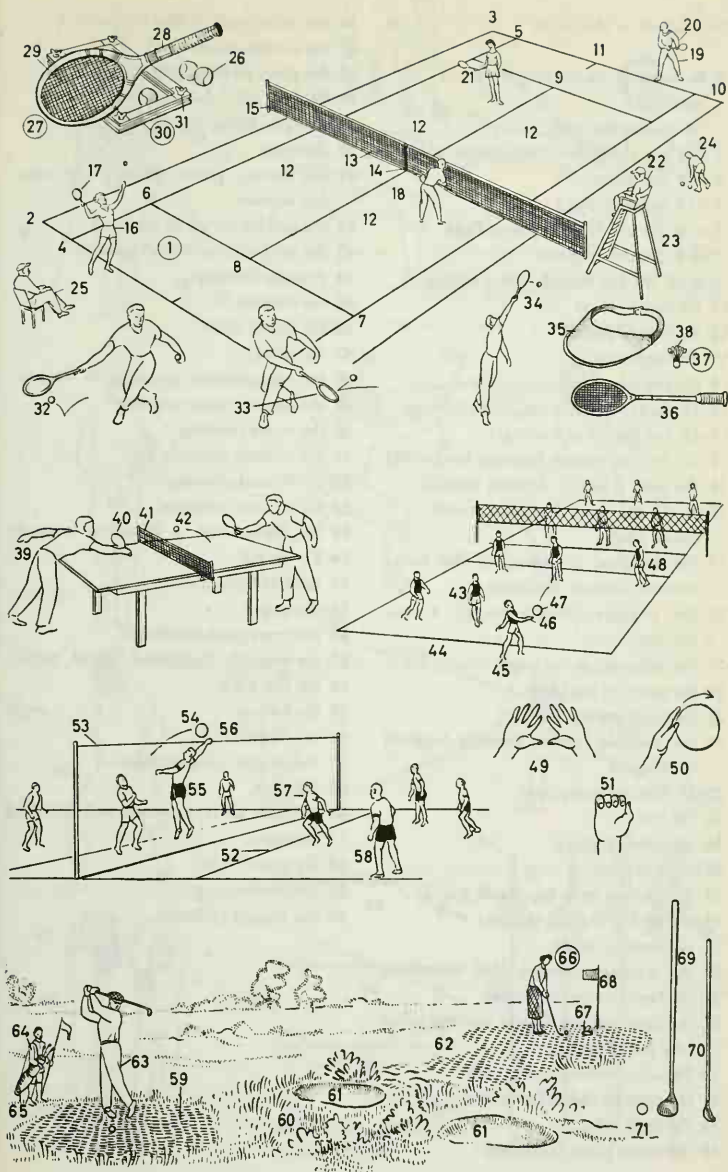
- 55 the wicket (stumps) with the bails
- 56 the bowling crease
- 57 the popping (batting) crease
- 58 the wicketkeeper of the fielding side
- 59 the batsman of the batting side
- 60 the cricket bat, a flat wooden club
- 61 the fielder (fieldsman);

62-67 croquet:

- 62 the starting post
- 63 the hoop
- 64 the turning post
- 65 the croquet player
- 66 the croquet mallet (mallet)
- 67 the croquet ball (ball)

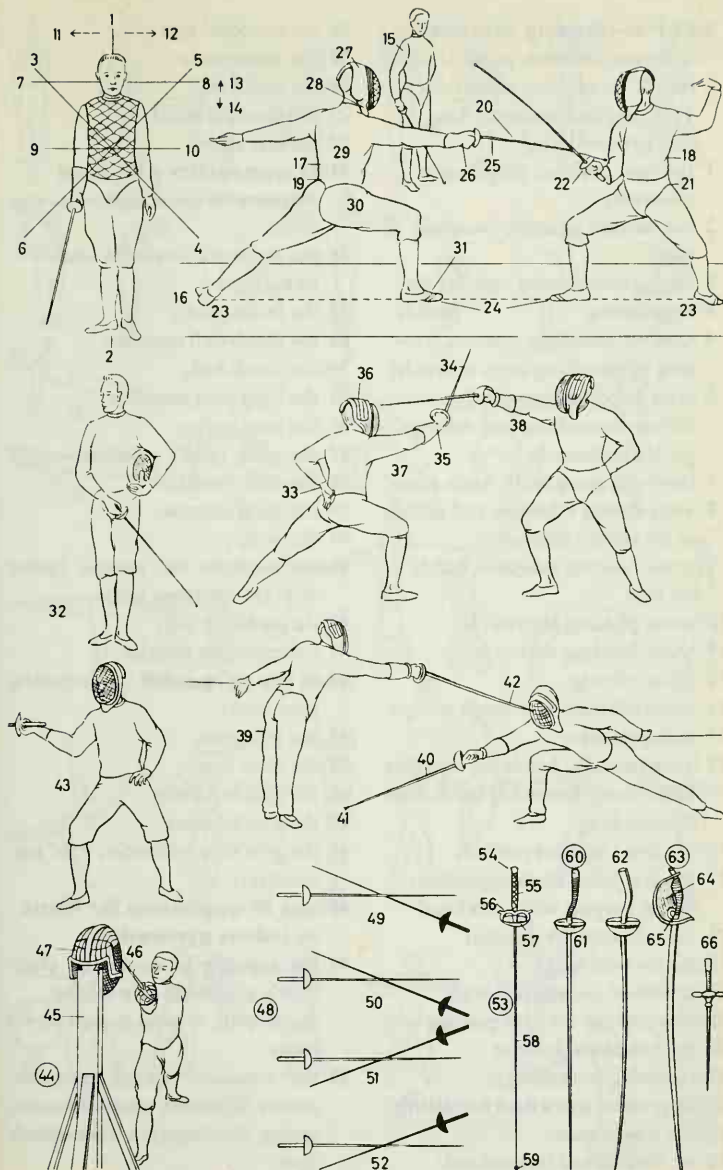


- 1-35 lawn tennis** (tennis, the game of tennis),
- 1** the tennis court (court, grass court, tennis lawn), a hard court:
- 2 to 3** the side line for the doubles game (for doubles; men's doubles, women's doubles, mixed doubles)
- 4 to 5** the side line for the singles game (for singles; men's singles, women's singles)
- 6 to 7** the service line
- 8 to 9** the centre (*Am.* center) service line
- 3 to 10** the base line
- 11** the centre mark (*Am.* center mark)
- 12** the service court
- 13** the net (tennis net)
- 14** the net strap (net adjuster, centre band, *Am.* center band)
- 15** the net post
- 16** the tennis player; *here* : server
- 17** the service
- 18** the tennis partner
- 19** the receiver
- 20** the stance for the back-hand stroke
- 21** the stance for the fore-hand stroke
- 22** the umpire
- 23** the umpire's chair
- 24** the ball boy
- 25** the foot-fault judge
- 26** the tennis ball
- 27** the tennis racket (tennis racquet):
- 28** the racket handle
- 29** the striking surface (set of taut strings, catgut string);
- 30** the racket press:
- 31** the tightening screw;
- 32** the half volley
- 33** the volley
- 34** the smash
- 35** the eye shade;
- 36** the racket for the **game of badminton**
- 37** the shuttlecock (feathered ball, shuttle), a leather-covered cork ball:
- 38** the crown (circle) of feathers;
- 39-42 table tennis** (ping-pong):
- 39** the table tennis player (ping-pong player)
- 40** the table tennis bat (ping-pong bat)
- 41** the table tennis net
- 42** the table tennis ball (ping-pong ball), a celluloid ball;
- 43-51 volley ball** (the game of volley ball):
- 43** the back player
- 44** the service area
- 45** the server
- 46** the cut
- 47** the volley ball
- 48** the net player
- 49** the correct placing (position) of the hands
- 50 and 51** serving the ball:
- 50** the placing (position) of the hand for the drop
- 51** the placing (position) of the hand for the floater;
- 52-58 faustball** ('fist ball'):
- 52** the base line
- 53** the tape
- 54** the 'fist ball'
- 55** the forward, hitting the ball over the net
- 56** the 'hammer' blow
- 57** the centre (*Am.* center)
- 58** the back;
- 59-71 golf** (the game of golf),
- 59-62** the golf course (golf links), a part of the course:
- 59** the teeing ground
- 60** the rough
- 61** the bunker (*Am.* trap)
- 62** the putting green;
- 63** the golfer, driving
- 64** the caddie
- 65** the golf bag
- 66** putting (holing the ball) with a putter:
- 67** the hole
- 68** the flag stick;
- 69 and 70** golf clubs (clubs):
- 69** the driver, a club; *sim.* the brassie, the spoon (golf spoon)
- 70** the mashie, an iron; *sim.* the steel driver, the niblick
- 71** the golf ball



Engl. sabre = *Am.* saber

- 1-66 fencing (sword play, the art of fencing),
- 1-14 the fencing cuts:
- 1 to 2 the cut in first (first, cut-at-head)
- 2 to 1 the second
- 3 to 4 the high third
- 5 to 6 the low third, a cut-at-flank
- 7 to 8 the cut-at-cheek
- 9 to 10 the low fourth (cut-at-chest)
- 11 the side of third
- 12 the side of fourth
- 13 the high cuts
- 14 the low cuts;
- 15-43 sport (competition, piste) fencing,
- 15-32 foil play (foil fencing):
- 15 the fencing master (fencing instructor)
- 16 the piste (planche, fencing terrain)
- 17 and 18 the fencers at the assault (loose play)
- 19 the assailant (attacker) in the lunge (attack position; lunging)
- 20 the straight (direct) thrust, a movement
- 21 the defender in the parry (ward)
- 22 the parry of the tierce
- 23 the fixed fencing distance
- 24 the variable fencing distance between the fencers
- 25-31 fencing equipment:
- 25 the foil
- 26 the fencing glove
- 27 the foil mask
- 28 the padded neck flap (neck guard)
- 29 and 30 the fencing clothes:
- 29 the fencing jacket
- 30 the fencing breeches (foil breeches);
- 31 the heel-less fencing shoes;
- 32 the first position for the fencers' salute (the initial position);
- 33-38 sabre fencing (sabre play):
- 33 the sabreur (sabre fencer)
- 34 the light sabre
- 35 the sabre glove (gauntlet)
- 36 the sabre mask (sabre helmet)
- 37 the outside cut-at-head
- 38 the parry of fifth (fifth, quinte);
- 39-43 épée play (épée fencing):
- 39 the épée fencer (épéist, duellist)
- 40 the épée
- 41 the button (pointe d'arrêt) with electric contact
- 42 the sudden thrust of the head
- 43 the on-guard position (guard);
- 44 practice fencing:
- 45 the dummy
- 46 the heavy sabre
- 47 the mask;
- 48 the engagements (crossing of blades):
- 49 the quarte (carte) crossing
- 50 the tierce crossing
- 51 the circling crossing
- 52 the second crossing;
- 53-66 fencing weapons,
- 53 the Italian foil, a thrusting weapon,
- 54-57 the hilt:
- 54 the foil pommel
- 55 the grip
- 56 the cross piece (quillons)
- 57 the coquille (bellguard, guard, shell);
- 58 the foil blade
- 59 the button;
- 60 the French foil:
- 61 the coquille (cup guard);
- 62 the épée,
- 63 the light sabre, a cutting and thrusting weapon:
- 64 the guard (hilt)
- 65 the leather loop;
- 66 the dagger (stiletto)



1-23 free-standing exercises

(physical exercises, physical training, P. T., physical education, P. E., physical culture, *Am.* free gymnastics):

- 1 the basic position (standing at attention)
- 2 the astride position (standing at ease)
- 3 raising the arms and right leg for-
- 4 knee-raising [wards
- 5 the arm-stretching upwards (raising or stretching arms upwards)
- 6 arms bending upwards for sharp forward stretching and raising of the leg backwards
- 7 the neck grasp with heels raised
- 8 arms-raising sideways and raising of the left leg sideways
- 9 trunk bending sideways, hands on hips
- 10 trunk bending backwards
- 11 trunk bending forwards
- 12 trunk turning
- 13 knees full bend with hands on hips
- 14 riding position
- 15 knee bending, hands on hips (the knee bend, knees full bend, knee full-bending)
- 16 the front support position
- 17 the low front support position (front support with arms bent)
- 18 the side support position
- 19 the forward lunge
- 20 the lateral (sideways) lunge
- 21 foot-placing left (toe-placing left)
- 22 the horizontal balance
- 23 squatting (crouching);
- 24-30 ground work and tumbling:**
- 24 the handstand
- 25 the long fly and forward roll:

26 the straddled legs

27 the headstand;

28 the back-bend

29 the shoulder stand

30 the cart wheel;

31-43 gymnastics with hand

apparatus (hand apparatus exercises):

31 the Indian club exercise (club-swinging):

32 the Indian club;

33 the dumb-bell exercise:

34 the dumb-bell;

35 the long-pole exercise:

36 the long pole;

37 the stick (staff) exercise:

38 the stick (staff);

39 the hoop exercise:

40 the hoop;

41 the medicine ball exercise (game with the medicine ball):

42 the medicine ball;

43 the expander exercise;

44-48 the gym outfit (gym clothes, gym suit):

44 the gym vest

45 the chest band

46 the gym belt (belt)

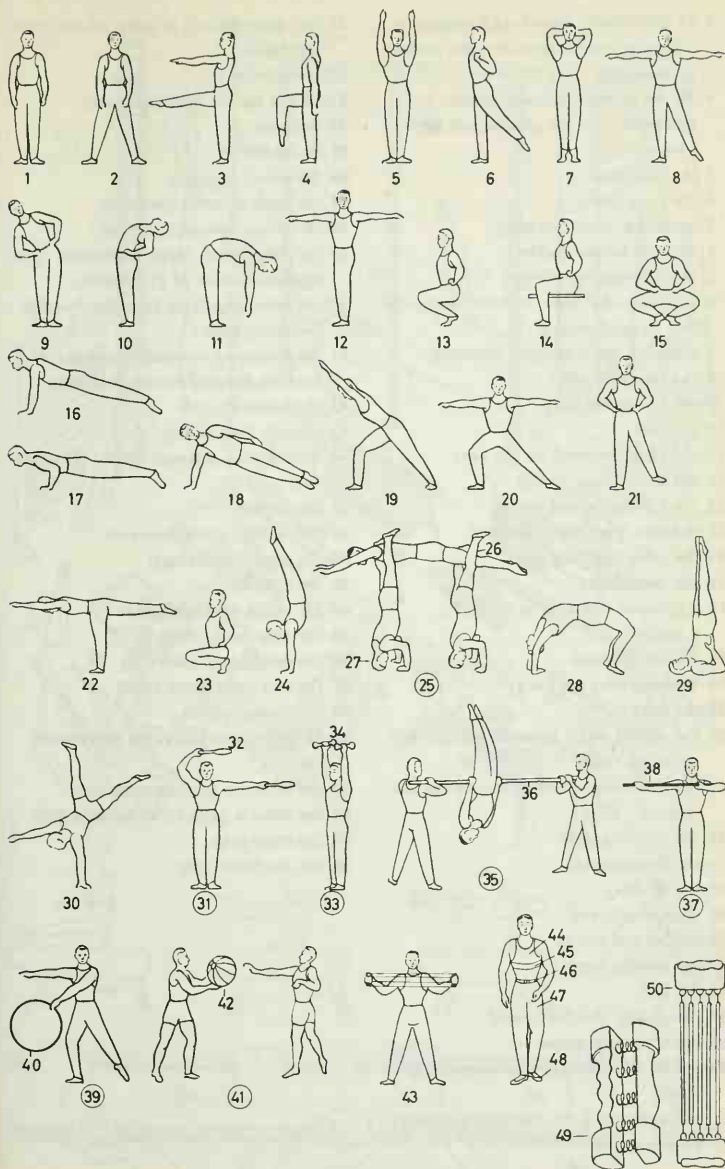
47 the gym trousers

48 the gym shoe (plimsol; *Am. pop.* sneaker);

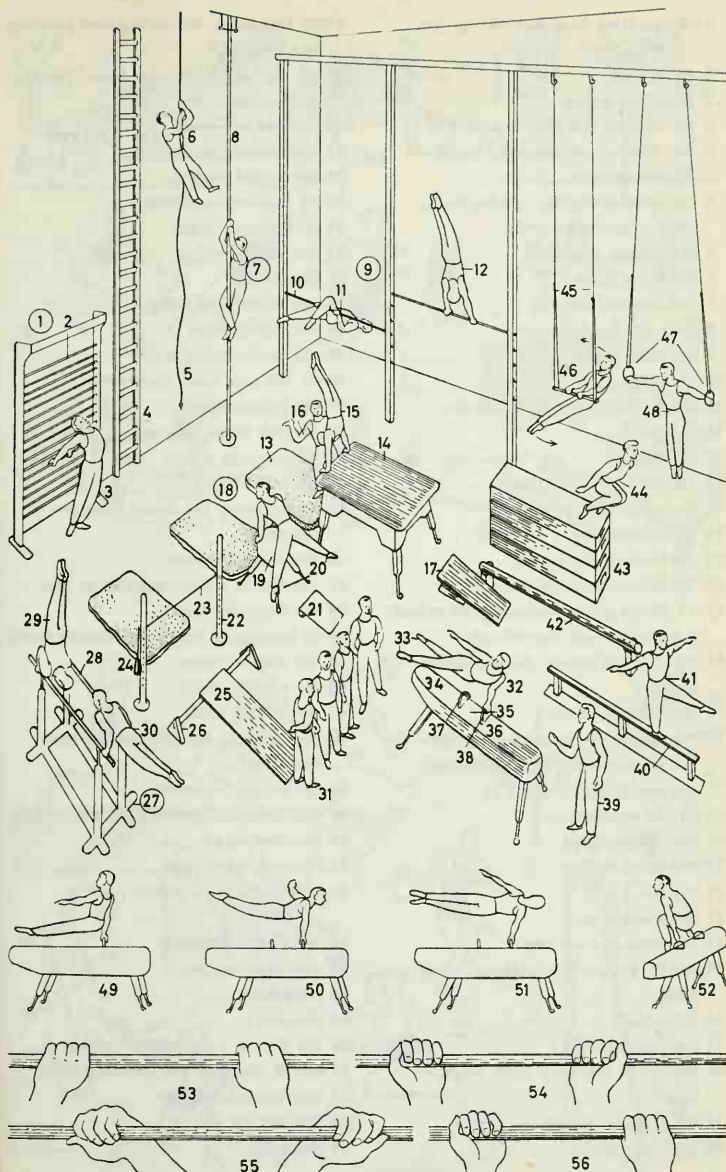
49 and 50 appliances for home or indoor gymnastics:

49 the spring-grip dumb-bell (Sandow's adjustable grip-testing dumb-bell), a hand-muscle developer

50 the expander (spring expander, rubber expander, chest-expander, spring developer), a chest-developer



- 1-56 gymnastics (gym) with apparatus (heavy gymnastics) in the gym (indoor gymnastics),
- 1-48 the gymnastic lesson (lesson in gymnastics) in the gymnasium (gym, *Am.* armory),
- 1 the wall bars:
- 2 the rung (bar);
- 3 spanning (span-bending)
- 4 the wall ladder (ladder)
- 5 the climbing rope (rope)
- 6 climbing the rope without using the feet (rope-climbing)
- 7 climbing the pole (pole-climbing):
- 8 the climbing pole;
- 9 the horizontal bar:
- 10 the bar;
- 11 and 12 gymnastics on the bar:
- 11 the knee swing (circle)
- 12 the forward grand circle;
- 13 the mat (gym mat, mattress)
- 14 the table (vaulting table)
- 15 the handspring
- 16 a gymnast standing by to catch, a catcher
- 17 the springboard
- 18 vaulting over the buck:
- 19 the buck;
- 20 the astride vault (straddle vault, vertical stride vault)
- 21 the beat board (beating board) for the take-off
- 22 the jumping post
- 23 the jumping rope
- 24 the sandbag
- 25 the springboard
- 26 the bar and blocks
- 27 the parallel bars:
- 28 the bar;
- 29 the double shoulder stand
- 30 the horizontal stand
- 31 and 32 the team (gymnastic team, gym team):
- 31 the gymnast (*Am.* turner), a gymnast on apparatus
- 32 the gym leader, a team leader (gym team leader);
- 33 the scissors
- 34-38 the horse (vaulting horse):
- 34 the neck
- 35 the saddle
- 36 the croup (croupe)
- 37 the neck pommel (pommel)
- 38 the croup (croupe) pommel;
- 39 the instructor (gym instructor, gym teacher, teacher of gymnastics)
- 40 the balancing form (*sim.* the Swedish balancing form)
- 41 the balancing exercise (keeping the balance, keeping the equilibrium)
- 42 the balancing pole
- 43 the box (box horse)
- 44 the running through-vault (*Am.* thru-vault)
- 45 the trapeze
- 46 the upward circle forwards
- 47 the rings (hand rings)
- 48 the crucifix;
- 49-52 vaults over the horse:
- 49 the rear (back) vault
- 50 the face (front) vault
- 51 the side vault (flank vault)
- 52 the through-vault;
- 53-56 grips (grasps) on the horizontal bar:
- 53 the ordinary grip, an over grip
- 54 the reverse grip, an underhand grip
- 55 the cross grip
- 56 the combined grip

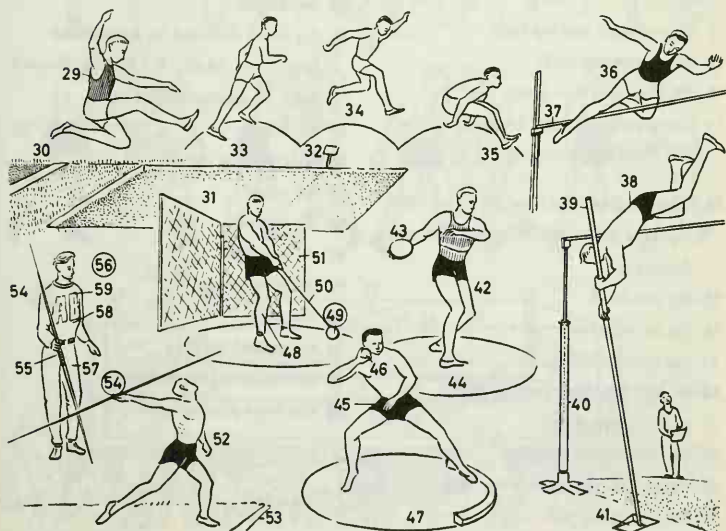
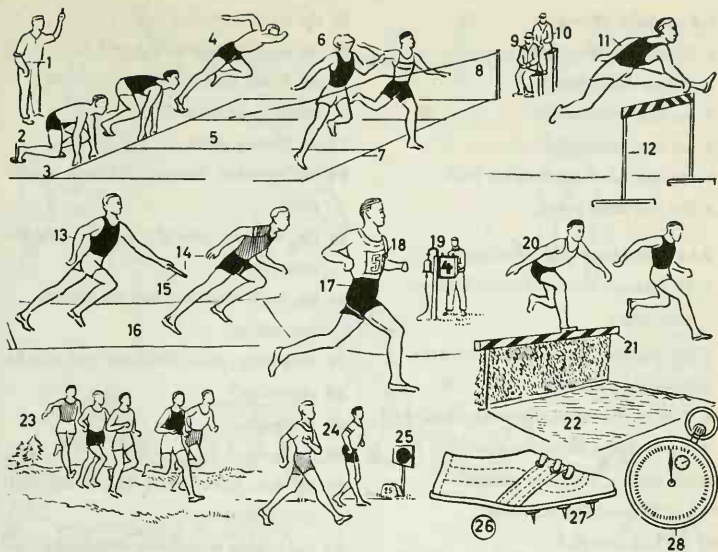


1-28 running and sprinting (the running race):

- 1 the starter
- 2 the starting hole
- 3 the starting line (starting mark)
- 4 the start for sprinting and middle-distance events
- 5 the lane (*all together* : cinder track, track, *Am.* cinder oval)
- 6 the runner, a sprinter
- 7 and 8 the finish:
- 7 the finishing line
- 8 the tape (finishing tape);
- 9 the timekeeper
- 10 the judge
- 11 and 12 the hurdle race (hurdles):
- 11 the hurdler
- 12 the hurdle;
- 13-16 the relay (relay race):
- 13 the relay runner
- 14 baton-changing
- 15 the baton (relay baton)
- 16 the baton-exchange area;
- 17-19 the long-distance race [3000 m incl.: a marathon race, marathon]:
- 17 the distance runner (long-distance runner)
- 18 the racing number
- 19 the lap-counting apparatus with the bell for signalling (*Am.* signaling) the last lap (last round);
- 20-22 the steeplechase:
- 20 the steeplechaser
- 21 and 22 obstacles:
- 21 the rail
- 22 the water jump;
- 23 the cross-country race
- 24 and 25 competitive walking, a walking race:
- 24 the walker
- 25 the turning mark;
- 26 the spikes (running shoe, track shoe):
- 27 the spike;
- 28 the stop watch;

29-55 jumping, throwing and putting the weight,

- 29-32 the long jump (*Am.* broad jump):
- 29 the long-jumper
- 30 the take-off board
- 31 the jumping pit (pit)
- 32 the record marker;
- 33-35 hop-step-and-jump:
- 33 the take-off (hop)
- 34 the stride (step)
- 35 the jump;
- 36 and 37 the high jump:
- 36 the high-jumper
- 37 the bar (jumping bar);
- 38-41 the pole vault (pole jump):
- 38 the pole-jumper
- 39 the pole (vaulting pole)
- 40 the jumping post
- 41 the take-off box;
- 42-44 throwing the discus (discus-throwing):
- 42 the discus-thrower
- 43 the discus, a throwing disk or disc
- 44 the throwing circle;
- 45-47 putting the weight (putting the shot):
- 45 the weight-putter
- 46 the weight (shot)
- 47 the putting circle;
- 48-51 throwing the hammer (hammer-throwing):
- 48 the hammer-thrower
- 49 the hammer (throwing hammer):
- 50 the steel wire;
- 51 the wire safety cage;
- 52-55 throwing the javelin (javelin-throwing):
- 52 the javelin-thrower
- 53 the throwing line
- 54 the javelin:
- 55 the cord;
- 56 the athlete, a decathlon competitor,
- 57 and 58 the track suit (training suit):
- 57 the training trousers
- 58 the training jacket;
- 59 the badge



1-6 weight-lifting :

- 1 the weight-lifter (lifter)
- 2 the one-hand snatch
- 3 the bar bell (barbell)
- 4 the two-hand jerk
- 5 the disk (disc) loading bar bells
- 6 the two-hand press;

7-14 wrestling (the wrestling match),

7-10 Graeco-Roman (Greco-Roman) wrestling:

- 7 the wrestler, an amateur (non-professional) wrestler
- 8, 9, 11 mat-wrestling (ground-wrestling);
- 8 the bridge, a defensive position
- 9 the crouch, a waiting position
- 10 and 12 standing wrestling:

10 the full Nelson

11 and 12 all-in wrestling (the catch-as-catch-can style, unrestricted wrestling style):

- 11 the arm-lock and leg-hold
- 12 the double leg-lock;
- 13 the wrestling mat (mat)
- 14 belt-wrestling (the Icelandic glima);
sim. the Swiss swinging;

15-17 the ju jitsu (jiu jitsu, jiu jutsu, judo), Japanese art of self-defence (*Am.* self-defense):

- 15 the arm-hold
- 16 the strangle-hold
- 17 the scissors-hold;

18-46 boxing (the boxing match; pugilism, fisticuffs),

18-26 training for boxing:

- 18 the punch bag (punching bag)
- 19 the punching ball

20 the small punching ball

21 the sand bag (punching sack)

22 the boxer (pugilist), a professional boxer (professional);

23 the boxing glove

24 the sparring partner (training opponent)

25 the straight (straight punch, straight blow)

26 the duck (ducking) and the crouch (crouching);

27 infighting; *here* : clinching (the clinch)

28 the swing

29 the uppercut

30 the hook

31 the low blow (blow below the belt) [forbidden]

32 the boxing ring (price ring, ring):

33 the ropes (boxing-ring ropes)

34 the neutral corner

35 the winner

36 the boxer defeated by a knockout (knockout blow, K.O.; the floored, K.O. 'd, opponent; the loser)

37 the referee

38 the counting out;

39 the judge

40 the second

41 the manager

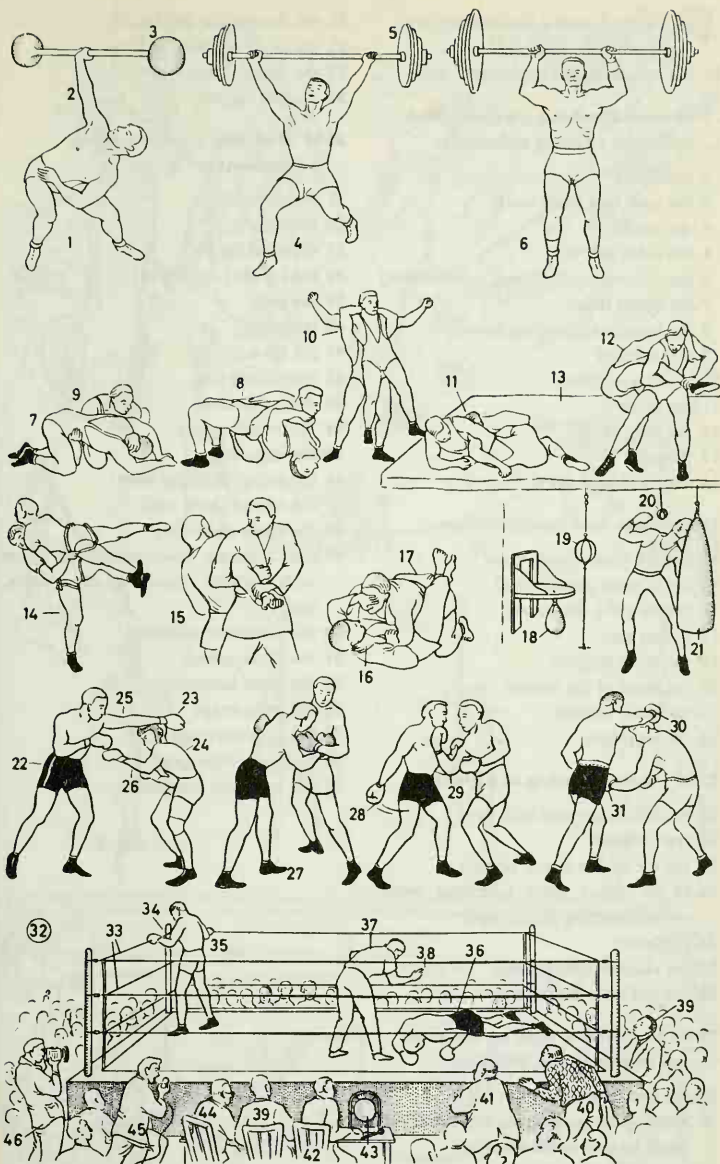
42 the timekeeper

43 the gong

44 the record-keeper

45 the reporter (newspaperman)

46 the press photographer



1-56 mountaineering (mountain-climbing, alpine climbing):

1 the mountain hut (alpine hut, hut)

2-14 rock-climbing (climbing) [rock technique, climbing technique]:

2 the chasm

3 the rock face (rock wall)

4 the crack

5 the ledge [of rock]

6 the climber (rock climber, mountaineer)

7 the alpine jacket

8 the breeches (climbing breeches)

9 the chimney

10 the belay (spike)

11 the belay

12 the sling (loop)

13 the rope

14 the cornice (bulge);

15-22 snow- and ice-climbing:

15 the ice (firn, snow) slope

16 the climber (ice-climber)

17 the ice axe (*Am.* ice ax)

18 the ice step

19 the snow goggles

20 the hood of the anorak

21 the snow cornice

22 the ice ridge;

23-25 roped crossing of a glacier:

23 the glacier covered with névé

24 the crevasse

25 the ice bridge (snow bridge);

26-28 the roped party (climbing party, mountaineering party, rope):

26 the leader

27 the climber (ice-climber)

28 the end man (last man);

29-34 lowering a man on the rope

and **roping down** (abseiling):

29 the foot grip

30 securing by passing the rope over one shoulder and under the other

31 the descending climber

32 the thigh rappel

33 the double thigh rappel

34 the free rappel;

35-56 climbing (mountaineering) **equipment:**

35 the alpenstock:

36 the ferrule

37 the spike (point);

38 the ice axe (*Am.* ice ax):

39 the pick

40 the teeth

41 the blade

42 the gliding ring

43 the wrist strap

44 the leather toggle

45 the stop ring;

46 the nailed climbing boot:

47 the clinker (welt nail)

48 the crampon straps;

49 the Vibrams (mountaineering boot with profiled vulcanite, or ebonite, sole):

50 the reinforced counter;

51 the Klettersschuh

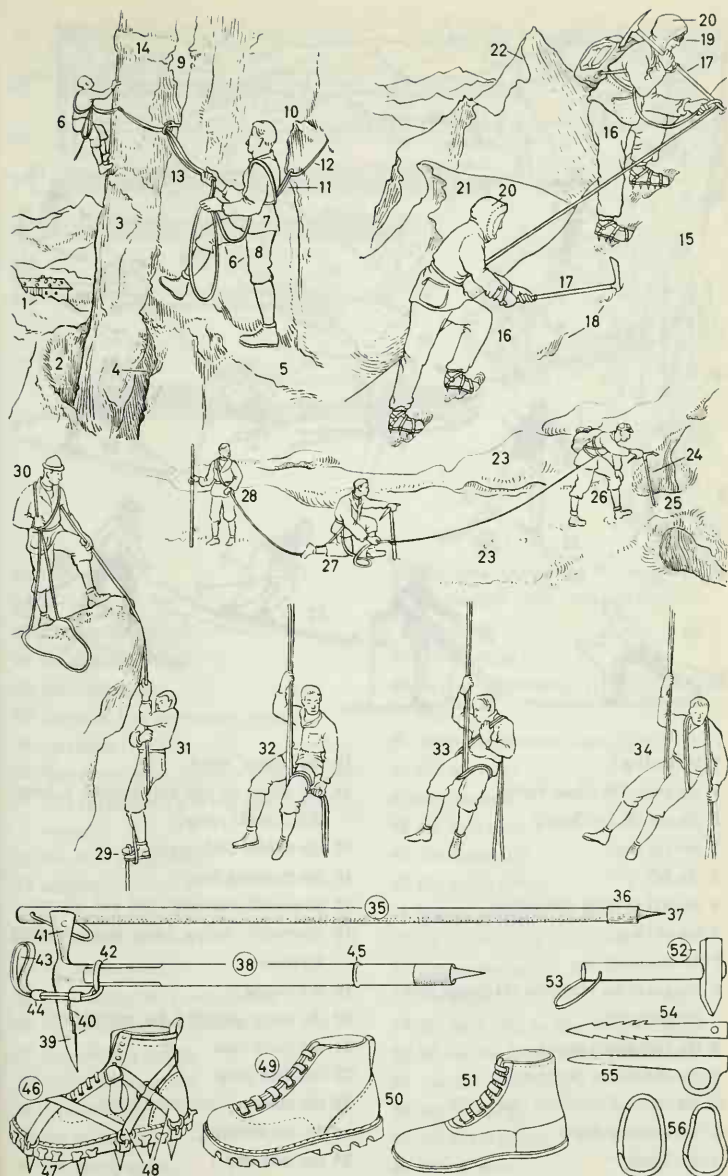
52 the piton hammer:

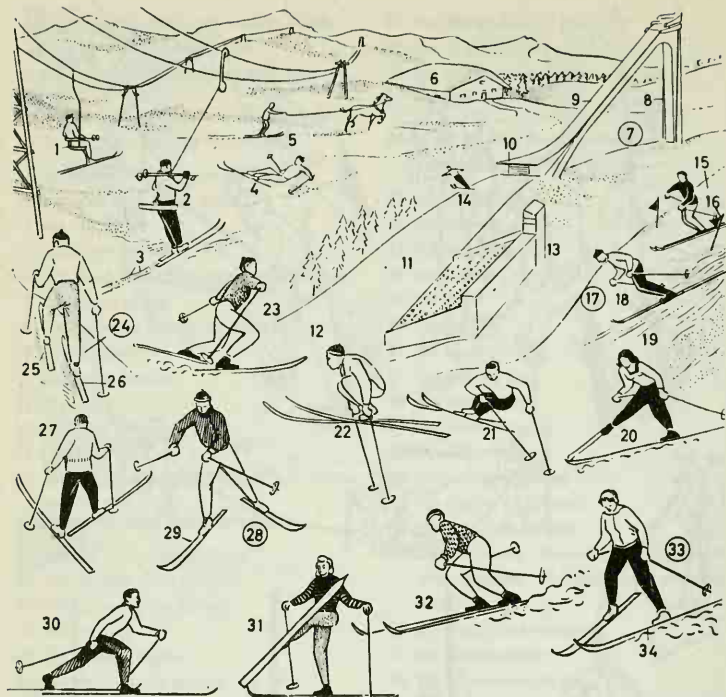
53 the wrist strap;

54 the ice piton (peg)

55 the rock piton (peg)

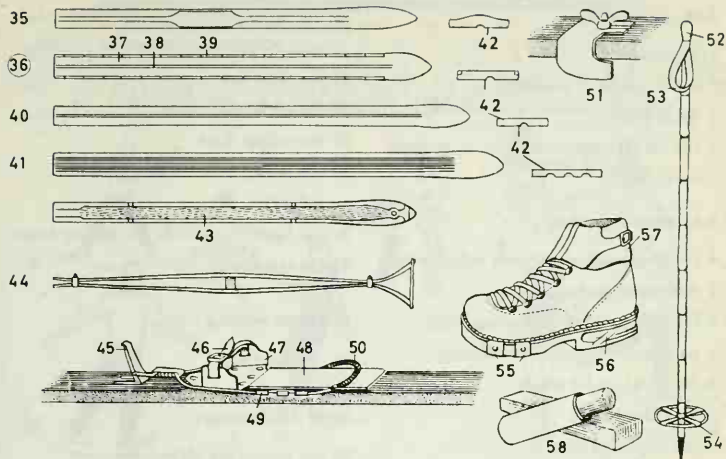
56 the karabiner (snaplink)





1-34 skiing :

- 1 the chair-lift (chair-hoist)
- 2 the ski-lift (ski-hoist)
- 3 the ski track
- 4 the fall
- 5 the ski kioring (ski joring)
- 6 the ski hut
- 7-14 ski-jumping,
- 7 the ski-jump (artificial ski-jump; *form.* jumping hill);
- 8 the run-down tower
- 9 the run-down (approach)
- 10 the take-off platform (take-off);
- 11 the landing-slope
- 12 the finish
- 13 the judges' stand
- 14 the flight of the ski jumper, a long-distance ski jump;
- 15 the slalom (slalom race):
- 16 the finishing flag;
- 17 down-hill running (the run down):
- 18 down-hill racing, the skier leaning forward
- 19 the course;
- 20 the snow-plough (*Am.* snowplow)
- 21 the jump turn
- 22 the field jump
- 23 the telemark (telemark turn)
- 24-27 the climbing,
- 24 the side-step :



- 25 the upper ski
 26 the lower ski;
 27 the herring-bone;
 28 the skating step:
 29 the gliding ski;
 30 the skier, a cross-country racer
 31 reversing (the kick turn)
 32 the christiania (christy, christie, parallel christiania), a swing turn (parallel swing)
 33 the stem (stem turn):
 34 canting;
35-58 skiing outfit,
 35-41 the ski (skis):
 35 the touring ski [from above]
 36 the slalom ski (down-hill ski):
 37 the running surface
 38 the guiding groove
 39 the steel edge;
 40 the racing ski
 41 the jumping ski;
 42 the cross-sections of 35, 36, 40, 41
 43 the sealskin (skin strapped on for climbing)
 44 the ski press
 45-50 the ski-binding, a Kandahar binding:
 45 the fore-tightener (fore-clamp)
 46 the toe-strap
 47 the toe-iron
 48 the foot plate
 49 the down-pull
 50 the spiral spring;
 51 the ski crampon
 52-54 the ski stick (ski pole):
 52 the leather knob
 53 the loop
 54 the stick disk or disc (snow ring);
 55-57 the ski boots (skiing boots):
 55 the sole-protector
 56 the heel grip
 57 the ankle gaiter;
 58 the ski wax

1-48 ice-sports,

1-32 skating,

- 1 the ice stadium (stadium):
- 2 the spectators
- 3 the ice rink (skating rink), an artificial ice rink;

4-22 figure-skating :

- 4 the skater (figure-skater), solo-skating
- 5 the spread-eagle
- 6 the counter-jump, a skating jump
- 7 pair-skating (pairs), free-skating
- 8 the spiral, an ice dance
- 9 the curve
- 10 the employed foot
- 11 the unemployed (free) foot
- 12 the pirouette
- 13-20 the elementary figures of figure-skating for school figures, compulsory figures:
- 13 the figure of eight
- 14 the serpentine
- 15 the figure of three
- 16 the double-three
- 17 the loop-change-loop
- 18 the bracket
- 19 the counter
- 20 the bracket-change-bracket;
- 21 the specs in free-skating
- 22 the beak, a braking figure in free-skating:
- 23 speed-skating :**
- 24 the speed-skater;
- 25-32 skates** (ice skates),
- 25 the common skate with sole- and heel-clamps:

- 26 the hollow-ground blade (skate blade with hollow moulding, *Am.* molding);
- 27 the skate key
- 28 the ice hockey skate
- 29 the racing skate
- 30 the sailing skate (skate for skate-sailing)
- 31 the figure skate with the skating boot:
- 32 the saw-teeth;

33 skate-sailing :

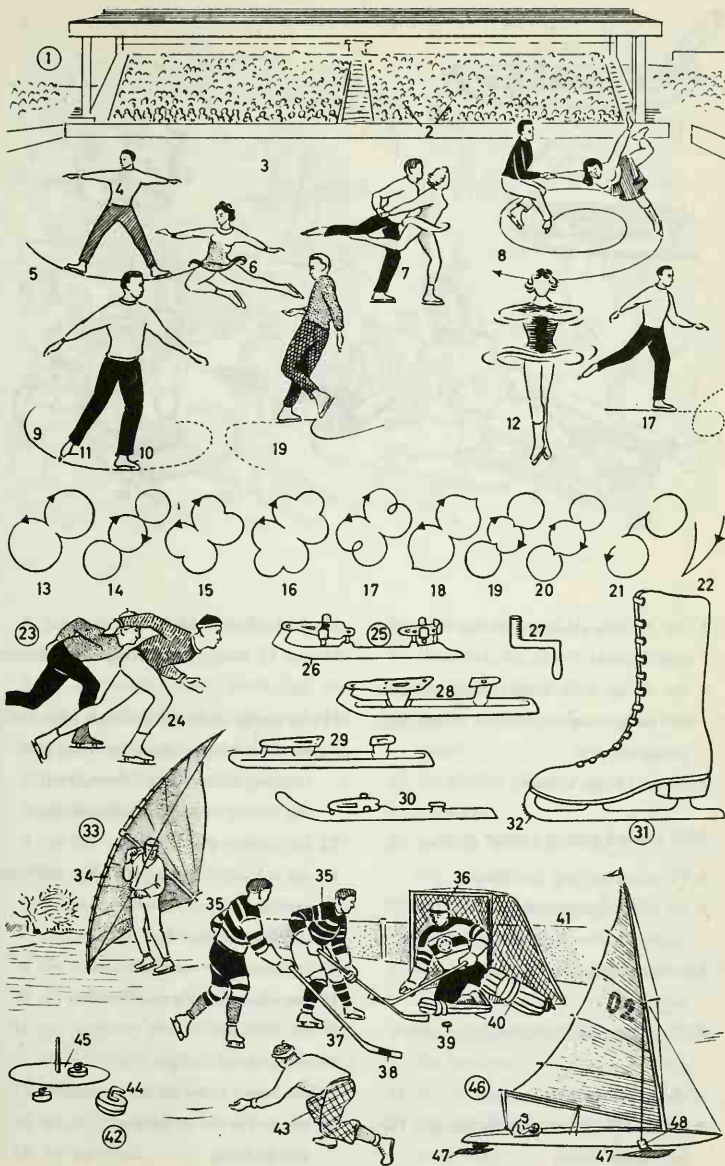
- 34 the hand sail;

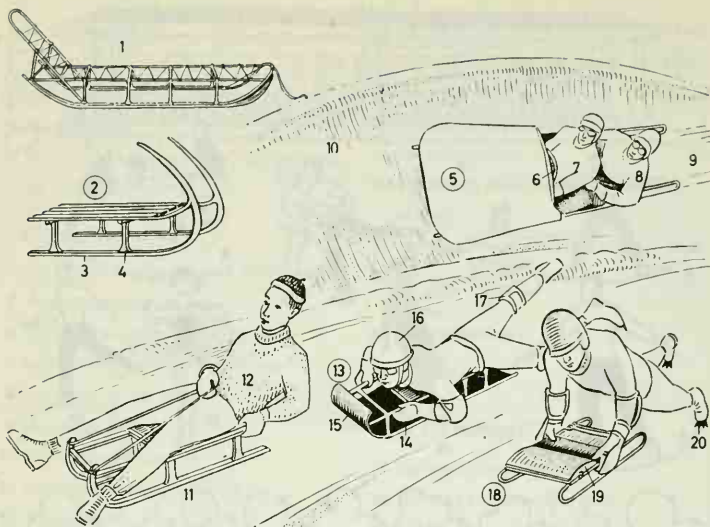
35-41 ice hockey :

- 35 the ice-hockey player
- 36 the goal keeper (*coll.* goalie)
- 37 and 38 the ice-hockey stick:
- 37 the stick handle
- 38 the stick blade;
- 39 the puck, an ebonite (vulcanite, hard-rubber) disk or disc
- 40 the shin pad
- 41 the boards;
- 42 curling ;** *sim.* the German game of 'Eisschießen':
- 43 the curler
- 44 the curling stone (stone); *sim.* the wooden disk (disc) with handle for 'Eisschießen'
- 45 the tee;

46 ice-sailing,

- 47 and 48 the ice yacht (ice boat, *Am.* ice scooter):
- 47 the ice skid (ice runner)
- 48 the outrigger





1 the Nansen sledge, a sledge for polar expeditions

2 the sledge with horn-shaped runners:

3 the sledge runner (runner, sledge slip, sledge slipper)

4 the seat prop, a prop;

5-20 sledge sport, a snow sport,

5-10 bob-sleighing (bobbing),

5 the bobsleigh, a bobsleigh for two (bobsled, *Am.* bob, dirigible sledge):

6 wheel-steering; *other system* : rope-steering;

7 the steersman (bob-steerer), a bob-rider

8 the brakeman leaning out

9 the bobsleigh course (bobsleigh run, bobsleigh chute)

10 the banked bend;

11 and 12 sledging (tobogganing, coasting):

11 the sledge (toboggan, sleigh, *Am.* sled) on the toboggan slope (coasting path, coasting slide, chute, shoot, run); *sim.* racing sledge (sporting sledge)

12 the sledger (coaster);

13 the toboggan (luge), a sledge without runners:

14 the baseboard

15 the protective curved front;

16 the tobogganer's crash helmet

17 the knee pad

18 the skeleton sledge:

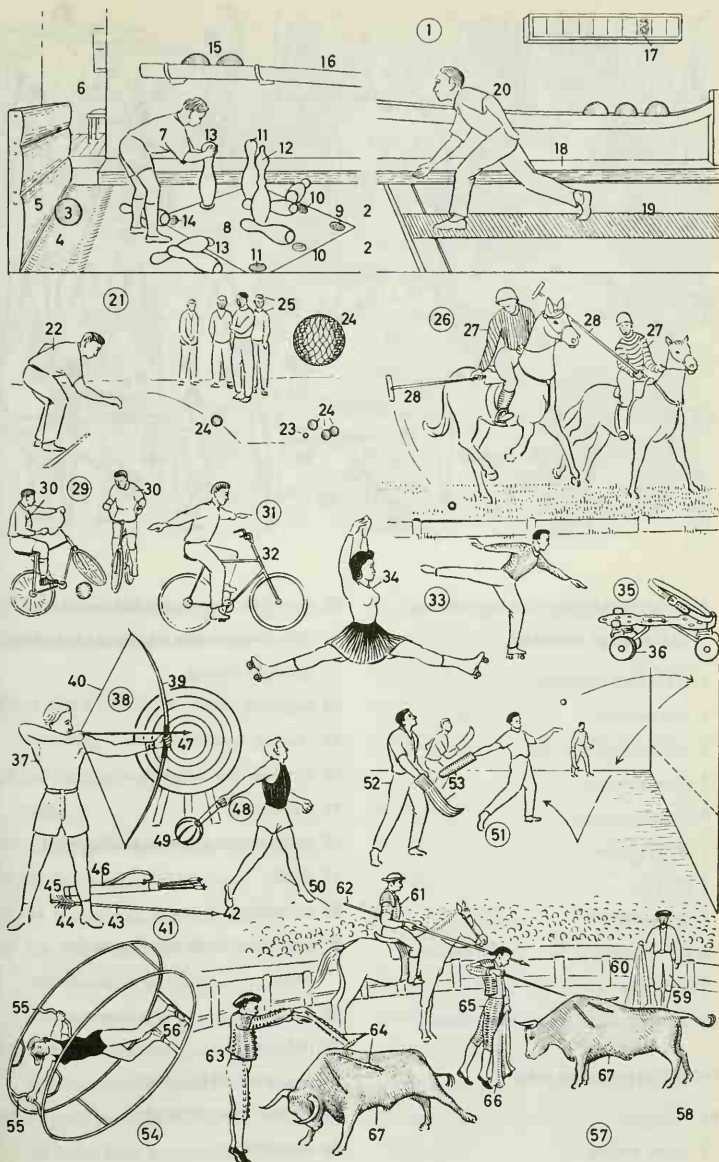
19 the board to lie on (slip board);

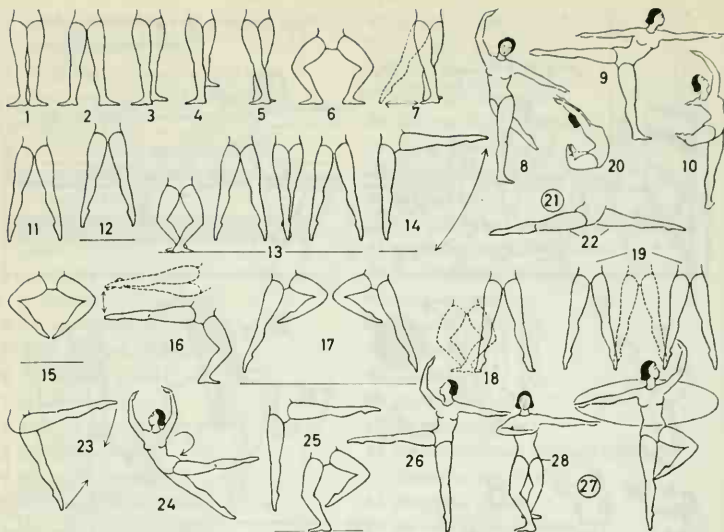
20 the spikes for steering and braking



- | | |
|---|---|
| 1 the avalanche; <i>kinds</i> : wind avalanche, ground avalanche | 16 the snow scooter |
| 2 the avalanche-breaker (avalanche barrier), a deflecting wall; <i>sim.</i> avalanche | 17 the slide (<i>Am.</i> shoot): |
| 3 the avalanche gallery chock | 18 the boy, sliding |
| 4 the snow-fall (snowstorm) | 19 the icy surface (icy ground, <i>Am.</i> silver thaw); |
| 5 the snowdrift | 20 the blanket of snow on the roof |
| 6 the snow paling (snow fence) | 21 the icicle |
| 7 the sprinkling machine: | 22 the man, shovelling away (<i>Am.</i> shovelling) snow: |
| 8 the snow-clearing device in front (detachable snow plough, <i>Am.</i> snowplow) | 23 the snow push (snow shovel); |
| 9 the non-skid chain (snow chain, chain) | 24 the heap of snow |
| 10 the radiator bonnet (<i>Am.</i> radiator hood) | 25 the horse sleigh (horse sledge, sleigh with bells, <i>Am.</i> cutter): |
| 11 the radiator shutter and the shutter | 26 the sleigh bells (bells, set of bells); |
| 12 the snowman opening; | 27 the foot muff |
| 13 the snowshoe (racket) | 28 the ear tab |
| 14 the snowball fight: | 29 the handsledge (tread sledge); <i>sim.</i> push sledge |
| 15 the snowball; | |

- 1 skittles (ninepins, *Am.* tenpins, bowls, *sim.* duckpins):
- 2 the skittle (ninepins) alley or yard, (*Am.* bowling alley, bowlodrome), an asphalt alley
- 3 the skittle ball (skittle bowl)
- 4 the trough for catching the ball
- 5 the padded wall
- 6 the protective niche
- 7 the skittle boy
- 8 the skittle frame [with the skittles set up in diamond formation]
- 9-14 the skittles:
- 9 the front corner pin
- 10 the front row pins
- 11 the corner pin
- 12 the king (head pin)
- 13 the back row pins
- 14 the back corner pin;
- 15 the trough for used balls
- 16 the runway (return chute)
- 17 the score marker (score board, scorer)
- 18 the cushion
- 19 the run-up board
- 20 the skittle player;
- 21 the French game of boules; *sim.* the Italian game of bocchia, the English game of bowls:
- 22 the boules player
- 23 the jack
- 24 the grooved bowl
- 25 the group of players;
- 26 polo; *sim.* cycle polo :
- 27 the polo player, a forward
- 28 the polo stick;
- 29 the cycle polo ball (two-man cycle polo):
- 30 the polo cycle player;
- 31 free-hand acrobatic (trick) cycling:
- 32 the trick bicycle;
- 33 acrobatic roller skating; *other kinds of roller skating* : speed roller skating, roller skate hockey:
- 34 the woman roller skater performing the splits;
- 35 the roller skate:
- 36 the metal wheel;
- 37-47 archery:
- 37 the archer (bowman)
- 38 the bow (long bow):
- 39 the bow back (belly)
- 40 the bow-string;
- 41 the arrow:
- 42 the arrow head (arrow point, arrow tip)
- 43 the arrow shaft (arrow stem)
- 44 the feathering (feathers)
- 45 the nock (notch);
- 46 the quiver
- 47 the target;
- 48 'hurling':
- 49 the 'hurling ball'
- 50 the throwing line;
- 51 the Basque game of pelota (blaid a chiestera); *sim.* jai alai:
- 52 the pelota player
- 53 the wicker racket (cesta);
- 54 the gyro wheel ('Rhön wheel'):
- 55 the handle
- 56 the foothold;
- 57 the bullfight (corrida); *sim.* the Portuguese rejonar:
- 58 the arena (bull ring, circus)
- 59, 61, 63, and 65 the bullfighters (toreros, toreadors):
- 59 the chulo (capeador)
- 60 the capa (red cloak)
- 61 the picador (horseman with lance)
- 62 the lance
- 63 the banderillero
- 64 the banderilla (barbed dart)
- 65 the matador (espada);
- 66 the muleta
- 67 the bull (toro)





1-10 the exercise (dancing exercise)
of classical dancing,

1-5 the foot positions:

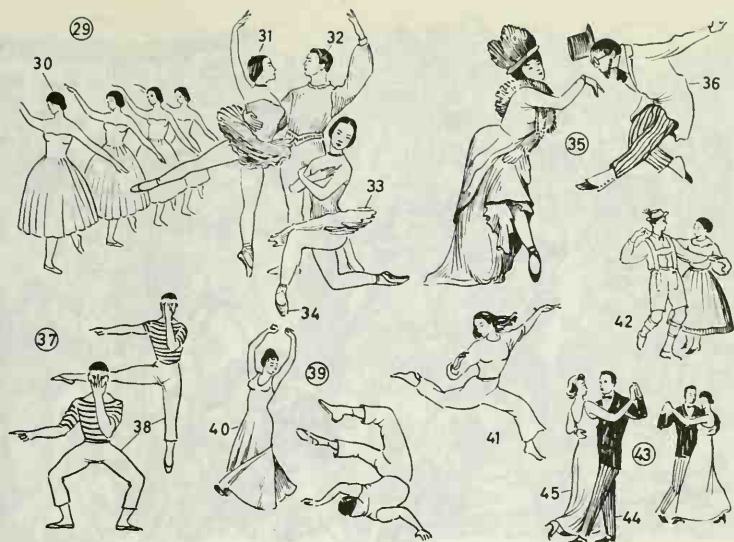
- 1 first position
- 2 second position
- 3 third position
- 4 fourth position
- 5 fifth position;
- 6 the plié
- 7 the battement
- 8 the développé; *here* : croisé derrière
- 9 the arabesque
- 10 the attitude; *here* : attitude effacée;

11-28 the training steps:

- 11 échappé
- 12 sauté, a jump

- 13 entrechat; *here* : entrechat quatre with two changements (crossing of the legs) during the jump

- 14 assemblé
- 15 cambré, a passé-position
- 16 capriole (the cabriole)
- 17 pas de chat
- 18 glissade (the glissade, gliding step)
- 19 chaîné
- 20 soubresaut
- 21 jeté (jump from one foot to the other);
- 22 the splits;
- 23 jeté passé
- 24 grand jeté en tournant
- 25 fouetté; *sim.* révoltade
- 26 sissonne



27 pirouette (the pirouette):

28 the preparation;

29-41 the artistic dance (art of dancing),

29-34 the classical dance (classical ballet),

29 the corps de ballet (ballet groupe):

30 the ballet dancer (ballerina);

31-34 pas de trois (dance for three):

31 the prima ballerina (first ballerina, first solo dancer, first solo danseuse), a pointe danseuse (classical dancer)

32 the primo ballerino (principal male dancer, first solo dancer)

33 the tutu (ballet skirt)

34 the ballet shoe, a pointe shoe;

35 the burlesque dance, a character dance:

36 the character dancer;

37 the mime:

38 the mime (mimer);

39 the bolero, a national dance, a dance for two:

40 the dancer;

41 the modern dance (Central European dance, German dance);

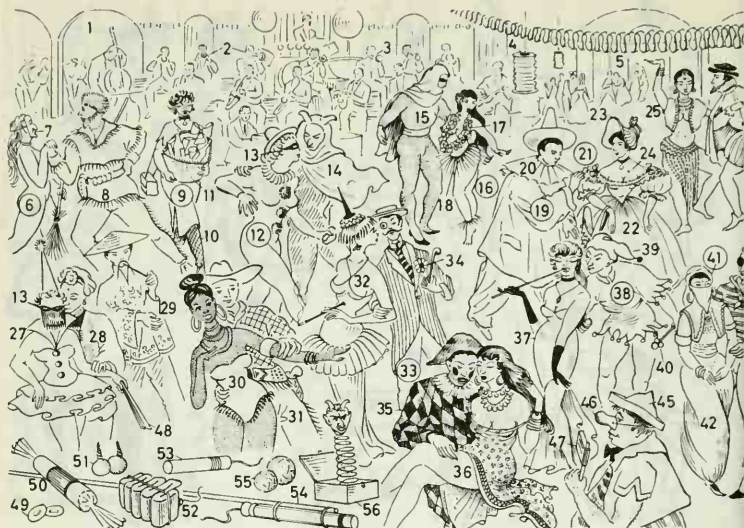
42 the 'Schuhplattler' ('Plattler'), a folk dance

43 the foxtrot, a ballroom dance,

44 and 45 the dancing partners (couple, pair of dancers):

44 the male partner (dancing partner)

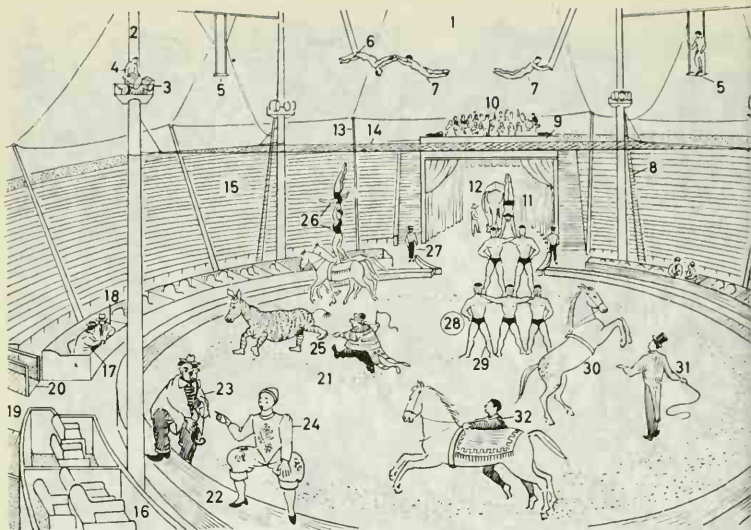
45 the female partner (female dancing partner)



- 1–48 the masked ball (fancy-dress ball, masquerade):
- 1 the ballroom (dance hall)
 - 2 the dance band (jazz band), a dance orchestra
 - 3 the jazz player, (jazz band player) a dance band player
 - 4 the paper lantern (lampion)
 - 5 the festoon (paper chain)
 - 6–48 fancy dress at the masquerade,
 - 6 the witch:
 - 7 the face mask (mask);
 - 8 the trapper (fur trapper)
 - 9 the apache girl:
 - 10 the net stocking;
 - 11 the first prize in the raffle (in the tombola), a presentation basket
 - 12 the pierrette:
 - 13 the half-mask (small mask);
 - 14 the devil
 - 15 the domino
 - 16 the hula-hula girl (Hawaii girl):
 - 17 the garland (chain of flowers)
 - 18 the grass skirt;
 - 19 the pierrot:
 - 20 the ruff (frill);
 - 21 the midinette:
 - 22 the Biedermeier dress
 - 23 the bonnet
 - 24 the beauty spot (patch);
 - 25 the bayadere (Hindu Indian dancer)
 - 26 the grandee
 - 27 the Columbine
 - 28 the maharaja
 - 29 the mandarin, a Chinese notable
 - 30 the exotic woman
 - 31 the cowboy (*Am.* cowhand); *sim.* gaucho (*Am.* vaquero)
 - 32 the vamp in a fanciful costume
 - 33 the dandy (masher, exquisite, fop, buck, spark, beau, coxcomb, jackanapes, *Am.* dude), a character mask:
 - 34 the rosette (badge for the masked ball);
 - 35 the harlequin

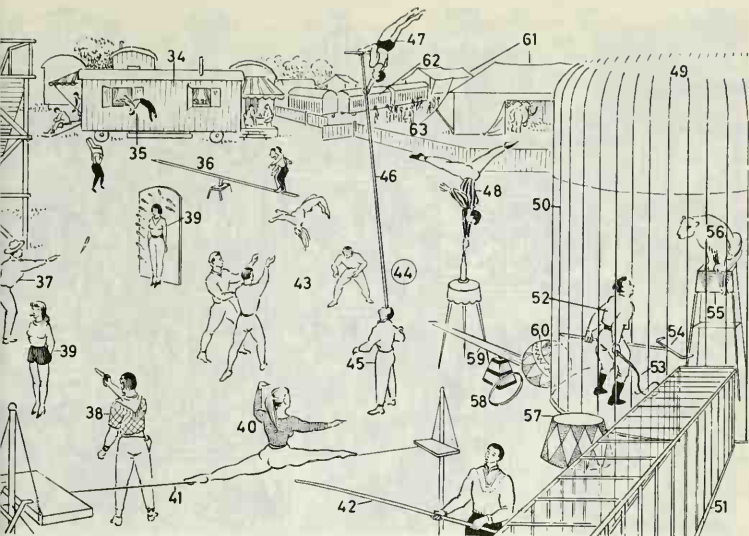


- 36 the gipsy (gypsy) woman
 37 the cocotte (demi-mondaine, *fam.* demi-rep)
 38 owl-glass, a fool (wag, rogue, buffoon,
 39 the fool's cap (cap and bells); [clown]:
 40 the rattle
 41 the odalisque (oriental woman), an
 oriental slave or concubine:
 42 the Turkish trousers;
 43 the pirate:
 44 the tattoo (tattooing);
 45 the paper hat
 46 the false nose
 47 the rattle (clapper)
 48 the fool's wand;
 49-54 fireworks (pyrotechnical articles):
 49 the cap (percussion gun cap)
 50 the cracker
 51 the banger
 52 the jumping cracker
 53 the thunderflash
 54 the rocket;
 55 the paper ball
 56 a practical-joker's toy (jack-in-the-box,
 jack-in-a-box)
 57-70 the carnival parade (carnival
 procession):
 57 the carnival float (*Am.* truck)
 58 the carnival prince (prince Carnival):
 59 the fool's sceptre (*Am.* scepter, fool's
 mace)
 60 the fool's badge (*Am.* scepter, carnival
 decoration);
 61 the carnival princess (carnival queen)
 62 the confetti
 63 the giant figure, a satirical figure
 64 the Beauty Queen
 65 the fairy-tale figure
 66 the paper streamer
 67 the Captain of the Prince's Guards
 68 the Prince's Guards
 69 the clown (buffoon, jack-pudding,
 merry-andrew), a jester (joker, wag)
 70 the lansquenet drum



1-63 the travelling (*Am.* traveling)
circus (touring circus):

- 1 the circus tent (big top, main tent, marquee)
- 2 the tent pole
- 3 the spotlights
- 4 the lighting technician (electrician)
- 5 the platform for the artiste
- 6 the trapeze
- 7 the trapeze artiste (trapeze acrobat)
- 8 the rope ladder
- 9 the bandstand
- 10 the circus band
- 11 the ring entrance (arena entrance)
- 12 the circus compound
- 13 the tent prop (prop)
- 14 the jumping net, a safety net
- 15 the rows of seats for the spectators
- 16 the circus box
- 17 the circus director
- 18 the artistes' agent
- 19 the entrance and exit
- 20 the steps
- 21 the ring (arena)
- 22 the ring fence
- 23 the musical clown
- 24 the clown
- 25 the comedy act (comedy number), a circus act (circus number)
- 26 the trick riders (equestrians, circus riders)
- 27 the stable boy, a ring attendant
- 28 the pyramid:
- 29 the support;
- 30 and 31 the liberty horses (trained horses):



30 the circus horse, performing the levade

31 the ring master, a trainer;

32 the vaulter

33 the emergency exit

34 the circus caravan

35 the springboard acrobat

36 the springboard

37 the knife-thrower

38 the circus gunman (circus crack shot)

39 the girl assistant

40 the tight-rope dancer

41 the wire rope (tight rope)

42 the balancing pole

43 the throwing act

44 the balancing act:

45 the support

46 the pole (bamboo pole)

47 the acrobat;

48 the equilibrist

49 the wild-animal cage, a round cage

50 the bars of the cage

51 the passage (barred passage, passage for the wild animals)

52 the tamer (animal trainer)

53 the training whip

54 the protective fork

55 the pedestal

56 the tiger

57 the stand

58 the jumping hoop

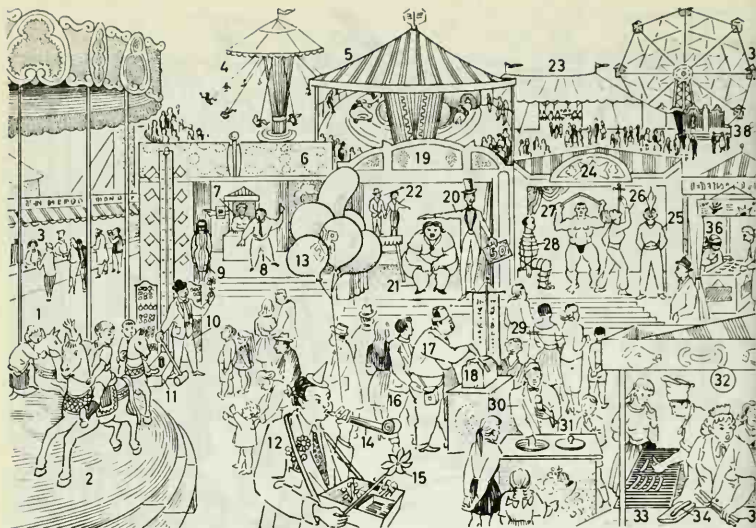
59 the seesaw

60 the large ball

61 the camp

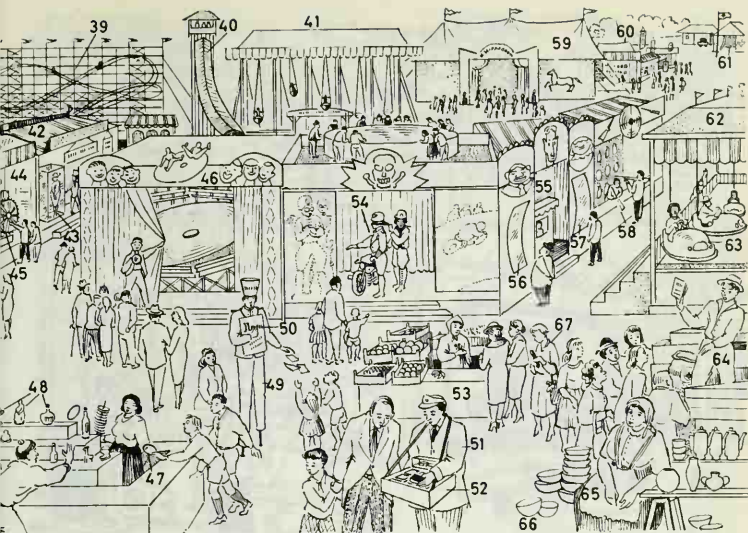
62 the cage caravan

63 the menagerie

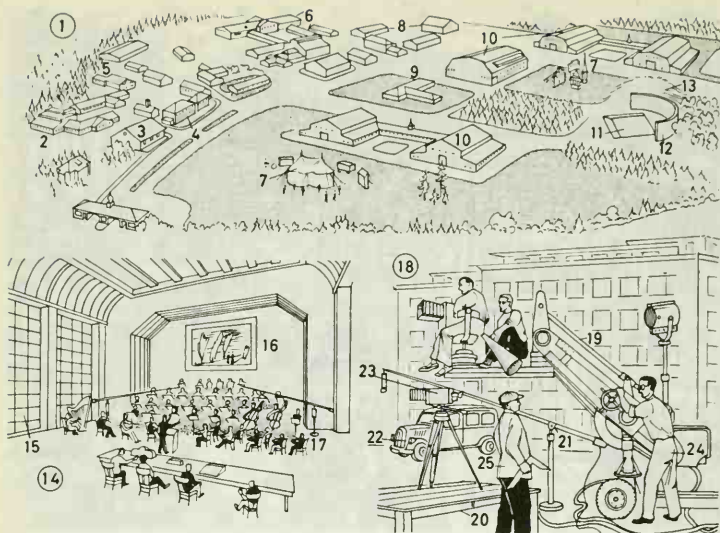


1-67 the fair (annual fair):

- 1 the fair-ground
- 2 the children's merry-go-round (whirligig), a roundabout (*Am.* carrousel, carousel, *err.* carousal)
- 3 the refreshment stall (refreshment stand)
- 4 the chair o'plane
- 5 the scenic railway, a ghost train
- 6 the show booth
- 7 the cash desk
- 8 the barker (tout, crier)
- 9 the medium
- 10 the showman
- 11 the try-your-strength machine
- 12 the hawker
- 13 the balloon
- 14 the paper serpent
- 15 the windmill, a wind wheel
- 16 the pickpocket (thief)
- 17 the vendor
- 18 the Turkish delight
- 19 the freak show
- 20 the giant
- 21 the fat woman
- 22 the dwarfs
- 23 the beer tent
- 24 the side-show
- 25-28 travelling (*Am.* traveling) artistes (travelling show people):
- 25 the fire-eater
- 26 the sword-swallower
- 27 the strong man
- 28 the escapologist;
- 29 the spectators
- 30 the ice-cream man
- 31 the ice-cream cornet with ice-cream
- 32 the broiled-sausage stand:
- 33 the grid (grill, *Am.* broiler)
- 34 the broiled (grilled) sausage
- 35 the sausage tongs;



- | | |
|---|---|
| 36 the fortune-teller by cards, a soothsayer | 52 the tray |
| 37 the giant wheel (Ferris wheel) | 53 the fruit-stall (fruit-stand) |
| 38 the orchestrion (automatic organ), an automatic musical instrument | 54 the wall-of-death rider |
| 39 the switchback (scenic railway, <i>Am. railroad, fam. the big dipper</i>) | 55 the room with distorting mirrors (hall of mirrors) |
| 40 the toboggan slide (mat, helter-skelter, slip, chute) | 56 the concave mirror |
| 41 the swing-boats | 57 the convex mirror |
| 42 the waxworks | 58 the shooting gallery (miniature rifle range) |
| 43 the wax figure (waxwork) | 59 the hippodrome |
| 44 the lottery booth (tombola booth) | 60 the junk stalls |
| 45 the wheel of fortune | 61 the first-aid post (ambulance station) |
| 46 the devil's wheel (typhoon wheel) | 62 the autodrome |
| 47 the quoit | 63 the bumper car (electric car) |
| 48 the prizes | 64-66 the pottery stand: |
| 49 the sandwichman on stilts | 64 the barker (<i>loc. Cheap Jack, Cheap John</i>) |
| 50 the placard | 65 the market woman |
| 51 the cigarette seller, an itinerant trader (street hawker) | 66 potter's wares (pottery); |
| | 67 visitors to the fair |



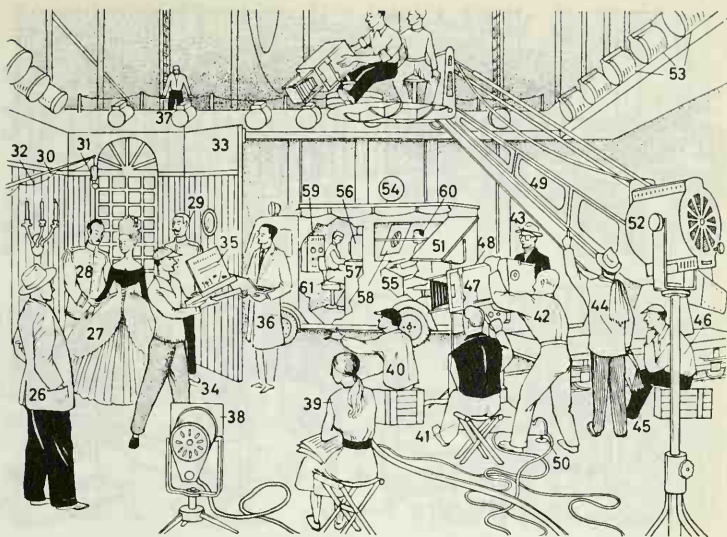
1-13 the film studios,

- 1 the location (lot, outdoor filming ground, studio grounds):
- 2 the printing (processing) laboratories
- 3 the cutting (editing) rooms
- 4 the administration building
- 5 the film library (film archives)
- 6 the workshops
- 7 the set (exterior construction set)
- 8 the power station
- 9 the technical and research laboratories
- 10 the group of stages
- 11 the concrete tank for water shots
- 12 the cyclorama
- 13 the horizon hill;

14-61 filming,

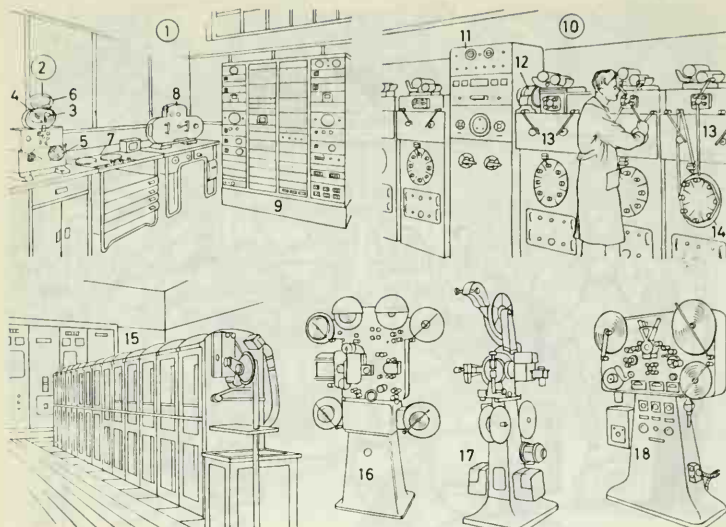
- 14 the music-recording studio (sound recording studio):
- 15 the 'acoustic' wall padding
- 16 the screen

- 17 the film orchestra;
- 18 location (exterior, outdoor) shooting:
- 19 the crane camera (crane dolly)
- 20 the trestle table
- 21 the microphone (*coll. mike*) on the boom ('fishpole')
- 22 the recording van (*Am. truck*)
- 23 the stills camera on wooden tripod
- 24 the stage hand (*here*: the dolly operator)
- 25 the studio manager;
- 26-61 floor work (stage work, interior work, indoor shooting) on the floor (sound stage, sound film studio):
- 26 the executive producer
- 27 the leading lady (actress, film star, heroine)
- 28 the leading man (actor, film star, hero)
- 29 the film extra (film super, crowd actor)
- 30 the microphone boom
- 31 the studio microphone
- 32 the microphone cable



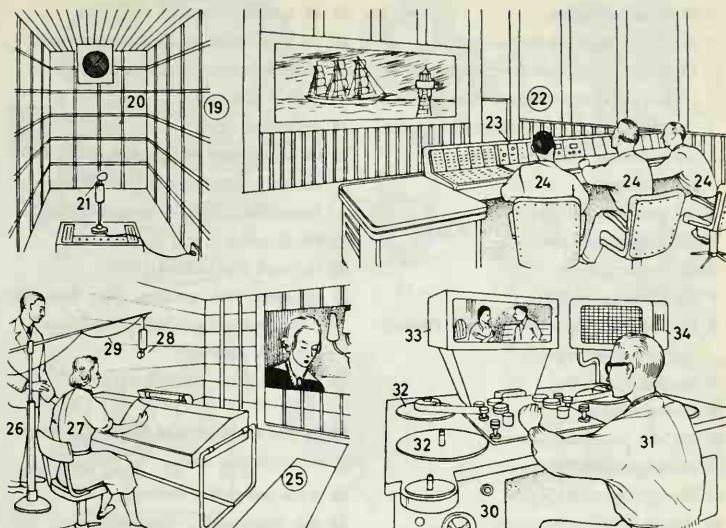
- 33 the set and the background
- 34 the clapper boy
- 35 the clapper (clappers, takeboard) with number board for film title, scene number (take number, shot number), and take date
- 36 the make-up artist or expert (studio hairdresser)
- 37 the electrician (lighter, *Am. coll.*, gaffer)
- 38 the colour medium
- 39 the continuity girl (continuity secretary, script girl)
- 40 the film director
- 41 the (chief) camera man (director of photography)
- 42 the camera operator
- 43 the art director (studio architect, studio designer)
- 44 the studio manager
- 45 the shooting script (film script, scenario)

- 46 the assistant director
- 47 the sound-proof film camera (picture camera)
- 48 the blimp (sound-proof metal camera cover)
- 49 the camera crane
- 50 the pump-tripod
- 51 the glare screen for protection from extraneous light
- 52 the spot (spotlight) on tripod (brightener, *sim. Am. klieglight*, kleiglight)
- 53 the lighting rail (gantry, catwalk)
- 54 the studio sound box (studio sound booth) for sound-recording:
- 55 the mixing console (mixing panel)
- 56 the sound camera
- 57 the sound camera table
- 58 the loudspeaker
- 59 the amplifier;
- 60 the sound engineer
- 61 the assistant sound engineer



1-34 the production of sound motion pictures (of sound films, *Am.* talkies),

- 1 the sound-on-film recording studio (sound camera room),
- 2 the magnetic-sound camera for electro-magnetic sound-recording:
- 3 the magnetic recording head
- 4 the magnetic playback head
- 5 the magnetic film spool
- 6 the anti-magnetic screening hood;
- 7 the narrow-tape recorder (tape-recording machine)
- 8 the photographic sound-on-film recording camera for photographic sound-recording
- 9 the amplifier rack;
- 10 the dubbing machine room:
- 11 the switch panel
- 12 the driving and synchronizing motor
- 13 the sound-reproducing set (tape-reproducer) for dialogue, music, and sound tapes (playback of the dialogue, music, and sound tracks)
- 14 the loop attachment;
- 15-18 the film-processing laboratory for development and printing of the film strips:
- 15 the light-proof daylight film-developing machines for development of picture negatives and positives, sound negatives and positives
- 16-18 film-printing machines:



16 the contact printing machine for picture or sound, or both combined (picture-sound-printing machine)

17 the optic picture-printing machine for sub-standard film

18 the optic sound-track printing machine for sub-standard film;

19 the echo studio:

20 the echo studio loudspeaker

21 the echo studio microphone;

22-24 sound-dubbing (sound-doubling, sound-mixing, the mixing of several sound tracks),

22 the dubbing theatre (*Am.* dubbing-theater; dubbing studio):

23 the mixing console (mixing desk) for one-channel sound or stereo sound

24 the dubbing mixers (dubbing editors, sound-engineers, sound-cutters), dubbing;

25-29 lip-synchronization (lip-synking, dubbing, doubling, post-synchronizing, post-synking),

25 the lip-synchronization studio:

26 the dubbing director

27 the lip-synchronist

28 the microphone and the boom

29 the sound cable;

30-34 cutting (editing):

30 the cutting and monitoring console or desk

31 the film-cutter (editor)

32 the rewind plates

33 the picture projection

34 the loudspeaker

1-35 film cameras,

- 1 the sound blimped studio camera (*Am.* motion-picture camera, moving picture camera), a standard-film camera:
- 2 the photographic camera optical system
- 3 the sunshade with filter holder and gauze clamp
- 4 the sunshade bellows
- 5 the variable diffuser
- 6 the focusing scale
- 7 the fine adjustment
- 8 the viewfinder, a traversing frosted (ground-glass) screen
- 9 the safety switch
- 10 the focusing eyepiece
- 11 the film magazine housing
- 12 the magnifier adjustment
- 13 the footage meter
- 14 the single-picture counter
- 15 the fade shutter adjustment
- 16 the sector scale
- 17 the side viewfinder
- 18 the camera housing door
- 19 the motor inching knob
- 20 the film-transporting sprocket and guide rollers
- 21 the eccentric lever double claw intermittent motion with register pins;
- 22 the light-weight picture camera (hand, or shoulder, camera)
- 23 the picture-sound camera (news-reel camera, reporter camera) for simultaneous picture and sound recording
- 24 the sub-standard (narrow-film) camera (amateur camera):
- 25 the viewfinder eyepiece
- 26 the footage-counter (film-counter)
- 27 the drive (clockwork spring motor);

28-35 special cameras,

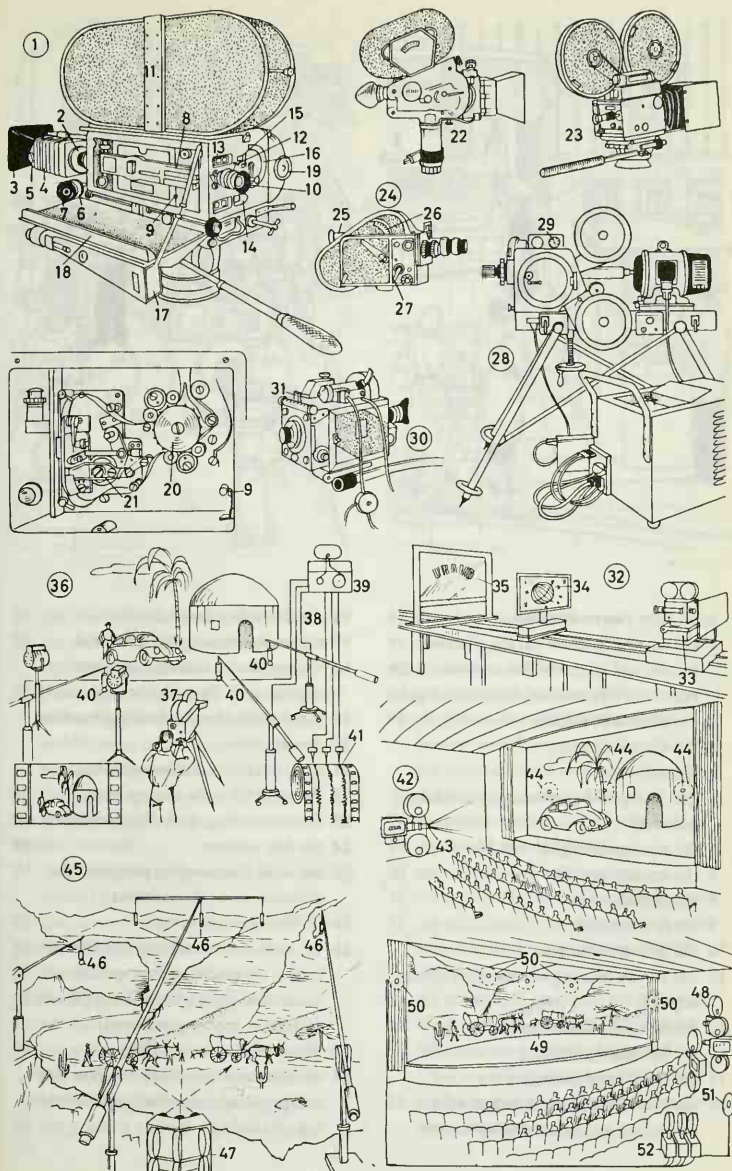
- 28 the electron-controlled slow-motion camera (time-retarder), a high-frequency camera:
- 29 the switch clock;
- 30 the rapid-motion (quick-motion) camera (time-accelerator) with single-frame feed and stop-motion device:
- 31 the focusing lever;
- 32 the trick film camera:
- 33 the trick table camera, *also*: film title (*Am.* caption) and sub-title camera
- 34 the trick drawing
- 35 the film title (*Am.* caption);

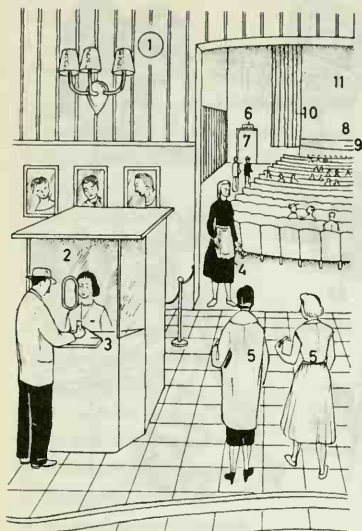
36-44 the wide-screen film (wide-screen stereophonic film),

- 36 wide-screen film making:
- 37 the anamorphic (anamorphous) lens (cylindrical lens, distorting lens)
- 38 stereophonic sound-recording by three-channel system
- 39 the stereophonic camera
- 40 the three microphones (*Am.* mike)
- 41 the sound-registering strip
- 42 the wide-screen film projector:
- 43 the anamorphoscope (anamorphote front lens);
- 44 the three back-stage loudspeakers;

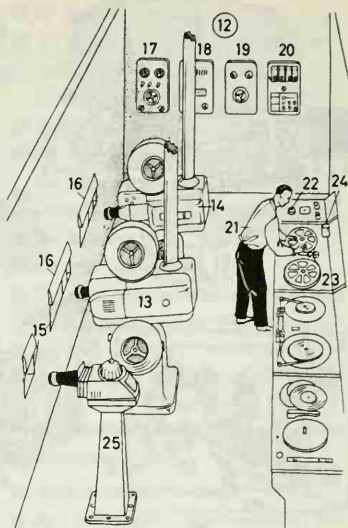
45-52 the panorama film,

- 45 panoramic sound-recording:
- 46 the five microphones (*Am.* mike)
- 47 the triple picture camera;
- 48 the triple picture projector
- 49 the panoramic screen (arc-shaped, curved screen)
- 50 the five loudspeakers
- 51 the effect loudspeakers in the cinema auditorium
- 52 the multiple sound-reproducing unit



**1-25 film reproduction,**

- 1 the cinema (picture palace, picture house, *coll.* pictures, films, flicks, *Am.* movie theater, movies, flickers, *coll.* pix):
- 2 the cinema box office
- 3 the cinema ticket
- 4 the usherette
- 5 the film-goers (cinema-goers, cinema patrons)
- 6 the emergency light
- 7 the emergency exit
- 8 the cinema stage
- 9 the proscenium
- 10 the screen curtain
- 11 the screen (talking screen, *Am.* silver screen);
- 12 the film projection room:
- 13 the left-hand projector
- 14 the right-hand projector
- 15 the projection room window with projecting and observing apertures

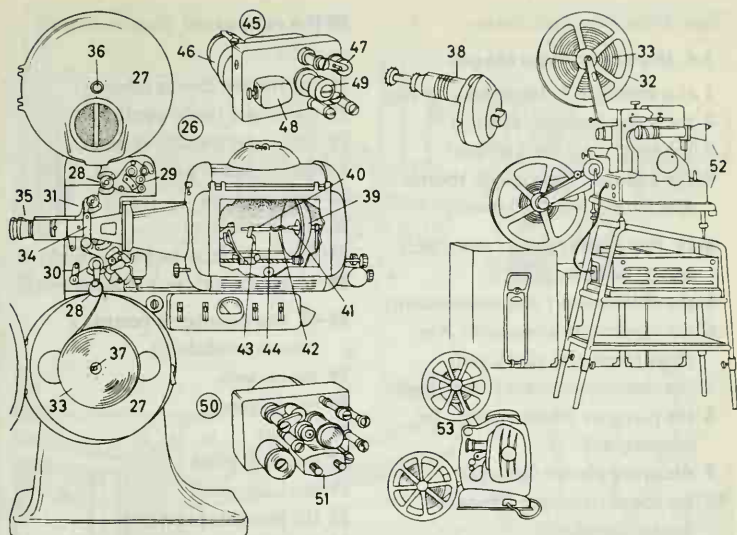


- 16 the fire safety drop-shutter

- 17 the auditorium lighting control
- 18 the rectifier, a selenium or mercury vapour (rectifier, *Am.* straightener)
- 19 the electric curtain-drawing machine
- 20 the amplifier
- 21 the projectionist (film operator)
- 22 the switch for the cinema gong
- 23 the re-winding desk for re-winding the
- 24 the film cement film
- 25 the slide (diapositive) projector for advertisement diapositives;

26-53 film-projectors,

- 26 the sound-projector (sound film projector, cinema projector, exhibitor's projection unit, *Am.* talking picture projector, movie projector),
- 27-38 the film run mechanism:
- 27 the top and the bottom film box (fire protection spool boxes) with circulating oil cooling



- 28 the take-off and take-up sprockets
- 29 the deflecting roller with framer control (with picture line adjustment)
- 30 the loop-setting device (loop compensation film, loop-absorber) for pre-stabilization of the film, *also* : film rupture (film break) contact
- 31 the picture gate
- 32 the film spool
- 33 the film roll
- 34 the film (picture) gate with film-cooling turbo-blower
- 35 the projector lens
- 36 the take-off spindle
- 37 the take-up reeling friction
- 38 the Maltese cross gear;
- 39-44 the lamp-house:
 - 39 the reflector (mirror) arc lamp with non-spherical hollow mirror and blower magnet for arc stabilization
 - 40 the positive carbon
 - 41 the negative carbon
 - 42 the arc
 - 43 the carbon-holder
 - 44 the crater (carbon crater);
- 45 the photo-electric (photographic) sound-reproducing unit [also intended for multi-channel stereo-sound reproduction and push-pull track];
- 46 the photo-electric optic system
- 47 the sound scanning roller
- 48 the sound lamp in the casing
- 49 the photo-electric cell in the hollow axle;
- 50 the additional four-channel magnetic-sound reproducing unit (magnetic sound-scanner):
- 51 the quadruple magnetic soundhead;
- 52 the portable sub-standard (narrow-film) cinema projector for travelling (*Am.* traveling, itinerant) cinema
- 53 the home projector (home cinema, *Am.* home movies)

Engl. theatre = *Am.* theater

1-4 the arena-type stage:

- 1 the spotlight (*Am.* limelight) flap
- 2 the scene (scenery, setting)
- 3 the stage floor (acting area)
- 4 the audience (spectators, theatre spectators; *coll.* the house);

5-11 the cloakroom (*Am.* checkroom) hall:

- 5 the cloakroom (*Am.* checkroom)
- 6 the cloakroom attendant (*Am.* checkroom girl, check girl)
- 7 the cloakroom ticket (*Am.* check)
- 8 the playgoer (theatre-goer, *Am.* theatergoer)
- 9 the opera glasses (glasses)
- 10 the commissionaire (front of house attendant)
- 11 the theatre ticket, an admission ticket;

12 and 13 the foyer (lobby, crush room):

- 12 the usher
- 13 the programme (*Am.* program);

14-28 the theatre:

- 14 the stage
- 15 the proscenium

16-19 the auditorium (theatre auditorium):

- 16 the gallery
- 17 the upper circle (*Am.* amphitheater)
- 18 the dress circle (*Am.* balcony, horseshoe, diamond horseshoe)
- 19 the pit (*Am.* parquet, parterre) and the orchestra stalls (stalls; *Am.* orchestra seat, orchestra chair, orchestra);

20 the rehearsal (theatre rehearsal):

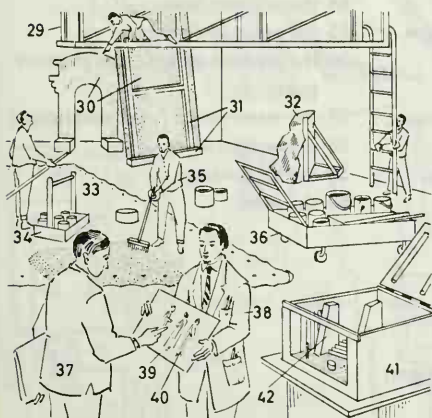
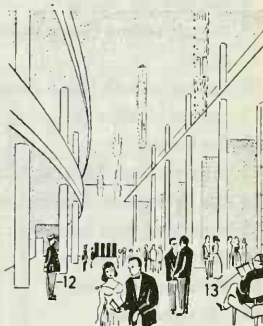
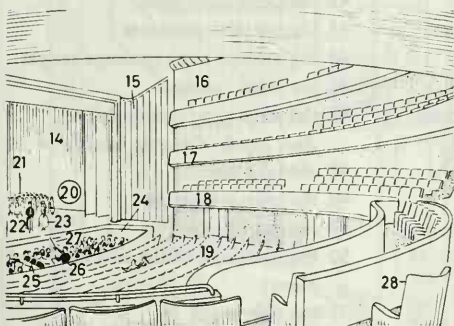
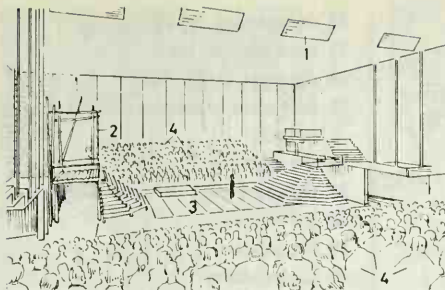
- 21 the theatre chorus (chorus)
- 22 the singer (male vocalist)
- 23 the singer (female vocalist)
- 24 the orchestra pit
- 25 the orchestra
- 26 the conductor
- 27 the baton (conductor's baton)
- 28 the spectator's seat (theatre seat);

29-42 the painter's room, a theatre workshop:

- 29 the catwalk
- 30 the set piece
- 31 the flat
- 32 the built piece
- 33 the back-cloth
- 34 the portable paint box
- 35 the scene-painter, a scenic artist
- 36 the scenic artist's palette
- 37 the set-designer
- 38 the costume-designer
- 39 the sketch for a costume
- 40 the sketch for a costume
- 41 the model stage
- 42 the model set;

43-52 the theatre dressing room:

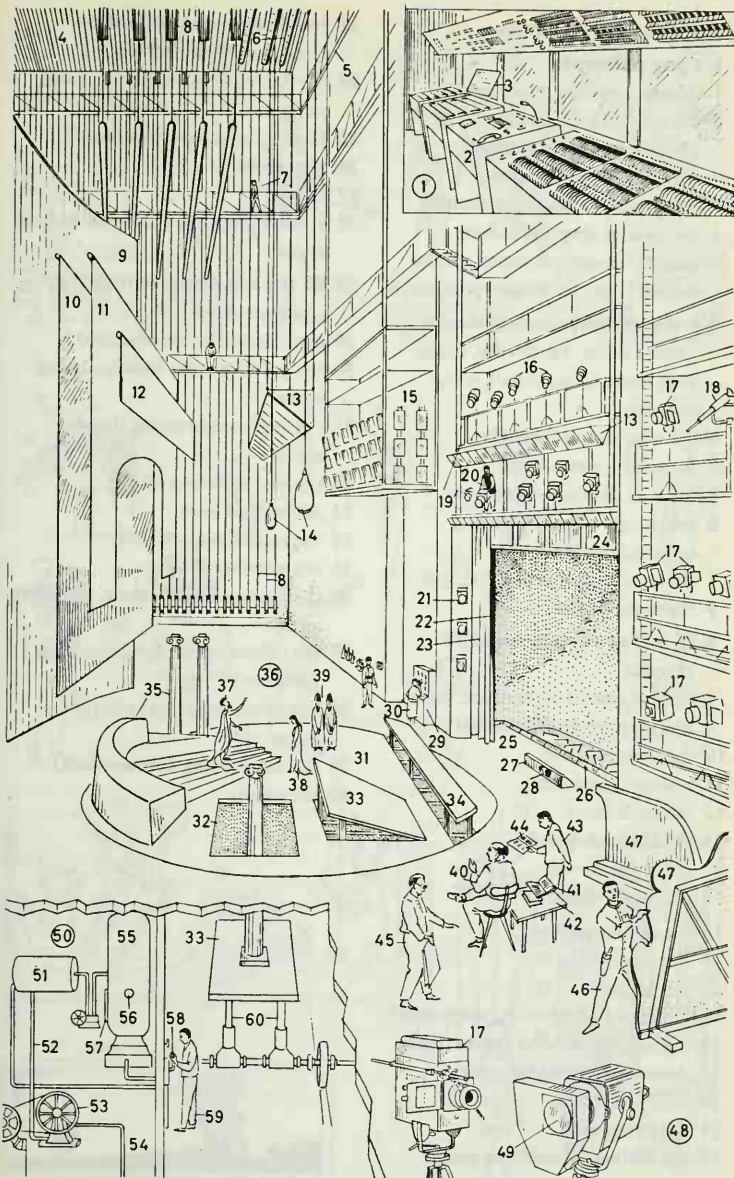
- 43 the dressing-room mirror
- 44 the make-up smock
- 45 the make-up table (bench)
- 46 the grease paint stick
- 47 the make-up man, a make-up artist
- 48 the theatre hairdresser
- 49 the wig
- 50 the hand properties (properties, props)
- 51 the theatrical costume
- 52 the call lamp



Engl. theatre = *Am.* theater

1-60 the stage with the machinery (flies and under stage machinery),

- 1 the control room:
- 2 the control desk
- 3 the lighting plot;
- 4 the grid
- 5 the fly floor (fly gallery)
- 6 the sprinkler system (sprinklers)
- 7 the flyman
- 8 the fly lines (lines)
- 9 the cyclorama (stage horizon, cyke)
- 10 the back-cloth (back-drop)
- 11 the cut cloth, a side drop-cloth
- 12 the border
- 13 the overhead lighting battens
- 14 the cyclorama floodlights
- 15 the acting area lamps
- 16 the spot bar lamps
- 17 the slide projectors
- 18 the water gun
- 19 the travelling (*Am.* traveling) lighting gallery
- 20 the electrician
- 21 the proscenium spotlights (pros spots)
- 22 the adjustable proscenium
- 23 the trailer curtains (theatre curtain, *coll.* tabs)
- 24 the safety curtain (fire curtain, *Am.* shade)
- 25 the forestage
- 26 the footlights (floats)
- 27 the prompt box
- 28 the prompter (prompt)
- 29 the stage manager's desk
- 30 the stage director (stage manager)
- 31 the revolving stage
- 32 the opening for lift
- 33 the hydraulic lift
- 34 the stage bridge (lift)
- 35 the pieces of scenery (*all together* : the set)
- 36 the scene:
- 37 the actor (*now rare* : player)
- 38 the actress
- 39 the supers;
- 40 the producer
- 41 the producer's script with the stage directions
- 42 the producer's table
- 43 the assistant producer
- 44 the prompt copy (prompt script)
- 45 the stage manager
- 46 the stage hand (scene-shifter, deck hand, *Am.* grip hand)
- 47 the set piece
- 48 the mirror spotlight:
- 49 the gelatine (gelly);
- 50 the hydraulic lifting and lowering plant:
- 51 the water tank
- 52 the suction line
- 53 the hydraulic press
- 54 the pressure line
- 55 the pressure chamber
- 56 the pressure gauge (*Am.* pressure gage)
- 57 the water gauge (*Am.* water gage)
- 58 the control lever
- 59 the lift operator
- 60 the rams



Engl. theatre = *Am.* theater

1-3 the cabaret:

- 1 the accompanist, a pianist
- 2 the compère (announcer;
Am. master of ceremonies,
coll. M. C.; *when a woman*:
commère), a cabaret performer
- 3 the cabaret singer (chanson
singer; diseuse), a reciter (elocu-
tionist); *sim.* hit singer, crooner;

4-8 the variety (variety theatre,
variety show, vaudeville, vaude-
ville theatre, music hall, revue
theatre):

- 4 the solo dancer (première
danseuse), a revue star
- 5 the solo dancer, a tap dancer
- 6 the troupe of girls (dancing
troupe, line dancers):
- 7 the chorus girl (revue girl, girl);
- 8 the number girl;

**9-22 art of variety and the
circus:**

- 9 the floor acrobat (acrobat, tum-
bler), a high-speed acrobat
- 10 the somersaulter
- 11 contortionist acts:
- 12 the back-bend
- 13 the through-bend
(*Am.* thru-bend);
- 14 the exotic dancer
- 15 the strong-man act:
- 16 the equilibrist;
- 17 the juggler
- 18 conjurers (conjurers, magicians):
- 19 the sleight-of-hand artiste (leger-
demainist, prestidigitator)
- 20 the illusionist;
- 21 the flying man
- 22 the diabolo, a catching game;

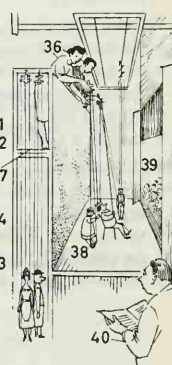
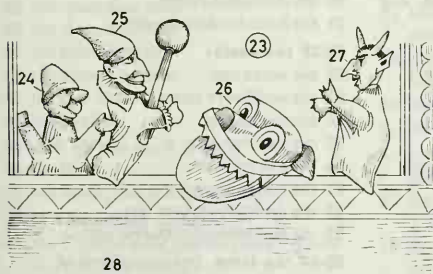
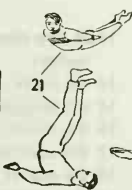
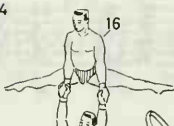
23 the Punch and Judy show

(*Am. pop.* Swatchel box):

- 24 the devil's grandmother, a hand
puppet
- 25 Punch (*Am. pop.* Swatchel)
- 26 the crocodile
- 27 the devil;
- 28 shadow puppets (Chinese shadow
show)

29-40 the marionette theatre,
a puppet show,

- 29 the marionette (fantoccino):
- 30 the guiding cross (manipulating
cross)
- 31 the supporting string (head
string)
- 32 the manipulating string
- 33 the hinged joint
- 34 the stuffed puppet body
- 35 the member (limb);
- 36 the marionette operator, a puppet
man
- 37 the operating bridge (operating
platform)
- 38 the miniature stage, a puppet
stage
- 39 the stage frame (proscenium)
- 40 the reader



The image displays various musical notations across four staves. The first staff shows neumes (1), square notation (2), and quaver notation (3). The second staff shows mensural notation (4), a note with a hook (5), and a note with a stem (6). The third staff shows a note with a hook (7), a note with a stem (8), and a note with a hook (9). The fourth staff shows a note with a hook (10), a note with a stem (11), and a note with a hook (12). The fifth staff shows a note with a hook (13), a note with a stem (14), and a note with a hook (15). The sixth staff shows a note with a hook (16), a note with a stem (17), and a note with a hook (18). The seventh staff shows a note with a hook (19), a note with a stem (20), and a note with a hook (21). The eighth staff shows a note with a hook (22), a note with a stem (23), and a note with a hook (24). The ninth staff shows a note with a hook (25), a note with a stem (26), and a note with a hook (27). The tenth staff shows a note with a hook (28), a note with a stem (29), and a note with a hook (30). The eleventh staff shows a note with a hook (31), a note with a stem (32), and a note with a hook (33). The twelfth staff shows a note with a hook (34), a note with a stem (35), and a note with a hook (36). The thirteenth staff shows a note with a hook (37), a note with a stem (38), and a note with a hook (39). The fourteenth staff shows a note with a hook (40), a note with a stem (41), and a note with a hook (42). The fifteenth staff shows a note with a hook (43), a note with a stem (44), and a note with a hook (45). The sixteenth staff shows a note with a hook (46), a note with a stem (47), and a note with a hook (48). The seventeenth staff shows a note with a hook (49), a note with a stem (50), and a note with a hook (51). The eighteenth staff shows a note with a hook (52), a note with a stem (53), and a note with a hook (54). The nineteenth staff shows a note with a hook (55), a note with a stem (56), and a note with a hook (57). The twentieth staff shows a note with a hook (58), a note with a stem (59), and a note with a hook (60).

Alleluja Me-di-a vi-ta Magni-fi-cat
Aus-ti-fer Not

1-4 mediaeval notation (neumatic notation):

- 1 neumes (neums) [11th cent.]
- 2 and 3 plainsong notations [12th and 13th cent.];
- 2 the circumflex notation
- 3 the square notation;
- 4 the mensural notation (*musica mensurata*, *cantus mensuratus*) [14th and 15th cent.];

5-9 the note:

- 5 the note head
- 6 the note stem (note tail)
- 7 the note hook (note crook)
- 8 the note bar
- 9 the dot, a sign of increase in length;

10-13 the clefs:

- 10 the treble clef (G clef, violin clef)
- 11 the bass clef (F clef)
- 12 the alto clef (C clef) for viola
- 13 the tenor clef (C clef) for cello;

14-21 the time values (duration) of the notes:

- 14 the breve
- 15 the semibreve (whole note)
- 16 the minim (half note)
- 17 the crotchet (*Am.* quarter note)
- 18 the quaver (*Am.* eighth note)
- 19 the semiquaver
- 20 the demisemiquaver
- 21 the hemidemisemiquaver;

22-29 the rests:

- 22 the breve rest
- 23 the semibreve rest
- 24 the minim rest
- 25 the crotchet rest
- 26 the quaver rest
- 27 the semiquaver rest
- 28 the demisemiquaver rest
- 29 the hemidemisemiquaver rest;

30-44 the time (measure, kinds of measure, time signatures):

- 30 the two-eight time

47 48 49 50 51 52 53 54 55 56 57 58 59

- 31 the two-four time
 32 the two-two time
 33 the four-eight time
 34 the four-four (common) time

- 35 the four-two time
 36 the six-eight time
 37 the six-four time
 38 the three-eight time
 39 the three-four time
 40 the three-two time
 41 the nine-eight time
 42 the nine-four time
 43 the five-four time
 44 the bar line;

45 and 46 the staff (stave):

- 45 the line
 46 the space; line and space: degree;

47-50 the scales (gamuts):

- 47 the C major scale (natural scale); natur-
 als: c, d, e, f, g, a, b, c
 48 the C minor scale [harmonic]
 49 the chromatic scale

- 50 the quarter-tone scale;

51-59 the accidentals (inflections),

- 51 and 52 the signs raising a note:

- 51 the sharp (the raising of the note by one
 semitone)

- 52 the double sharp (the raising of the note
 by two semitones);

- 53 and 54 the signs lowering a note:

- 53 the flat (the lowering of the note by one
 semitone)

- 54 the double flat (the lowering of the
 note by two semitones);

- 55 the natural

- 56-59 the quarter-tone accidentals:

- 56 the sign for raising the note by one
 quarter-tone

- 57 the sign for raising the note by three
 quarter-tones

- 58 the sign for lowering the note by one
 quarter-tone

- 59 the sign for lowering the note by three
 quarter-tones

1-15 the keys (major keys and minor keys, parallel keys with the same key signature), each succeeding key starting a fifth above or below the previous key:

- 1 C major (A minor)
- 2 G major (E minor)
- 3 D major (B minor)
- 4 A major (F sharp minor)
- 5 E major (C sharp minor)
- 6 B major (G sharp minor)
- 7 F sharp major (D sharp minor)
- 8 C sharp major (A sharp minor)
- 9 F major (D minor)
- 10 B flat major (G minor)
- 11 E flat major (C minor)
- 12 A flat major (F minor)
- 13 D flat major (B flat minor)
- 14 G flat major (E flat minor)
- 15 C flat major (A flat minor);

16-18 the chord,

- 16 and 17 common chords (triads):
- 16 the major chord
- 17 the minor chord;
- 18 the dominant seventh, the chord of the seventh;
- 19 the unison (unison interval)

20-27 the intervals (musical intervals):

- 20 the major second
- 21 the major third
- 22 the perfect fourth
- 23 the perfect fifth
- 24 the major sixth
- 25 the major seventh
- 26 the perfect octave
- 27 the major ninth;

28-38 the ornaments (grace notes, graces):

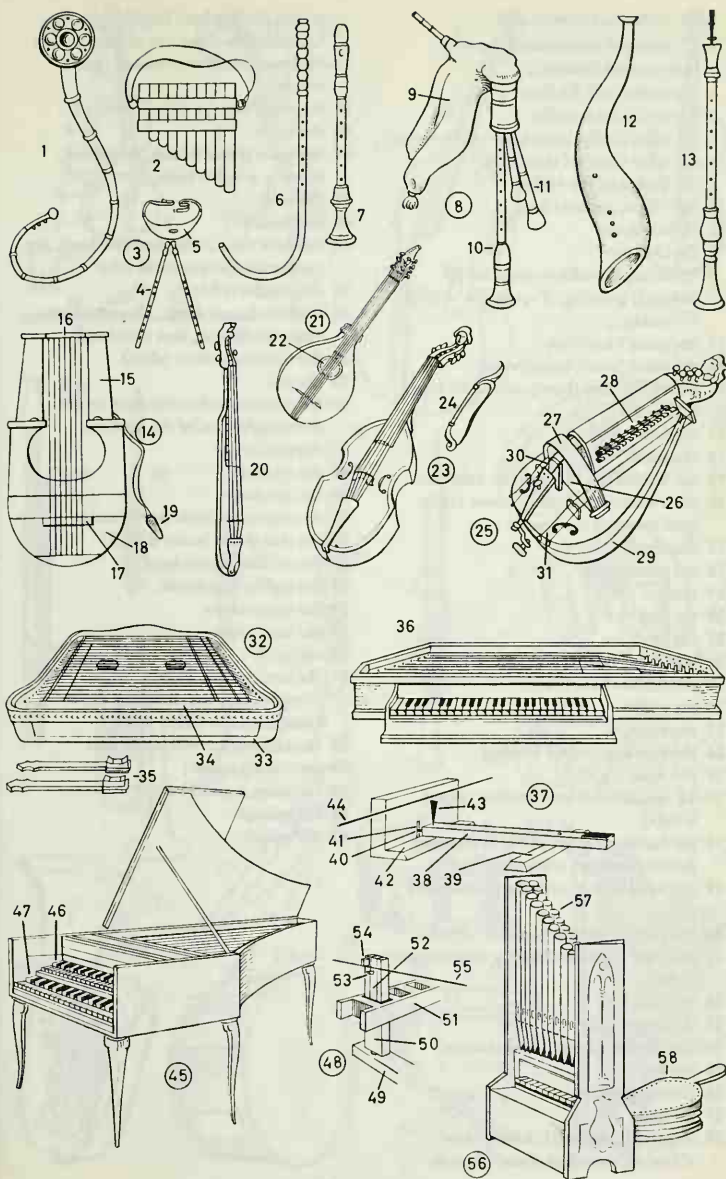
- 28 the appoggiatura
- 29 the acciaccatura
- 30 the slide
- 31 the trill (shake) without turn
- 32 the trill with turn
- 33 the mordent (*Am. pralltriller*)
- 34 the inverted mordent
- 35 the turn
- 36 the ascending arpeggio
- 37 the descending arpeggio
- 38 the triplet; *corresponding groups* : duplet (couplet), quadruplet, quintuplet, sextuplet (sextolet), septuplet (septolet septimole);

39-45 the syncopation:

- 39 the up-beat

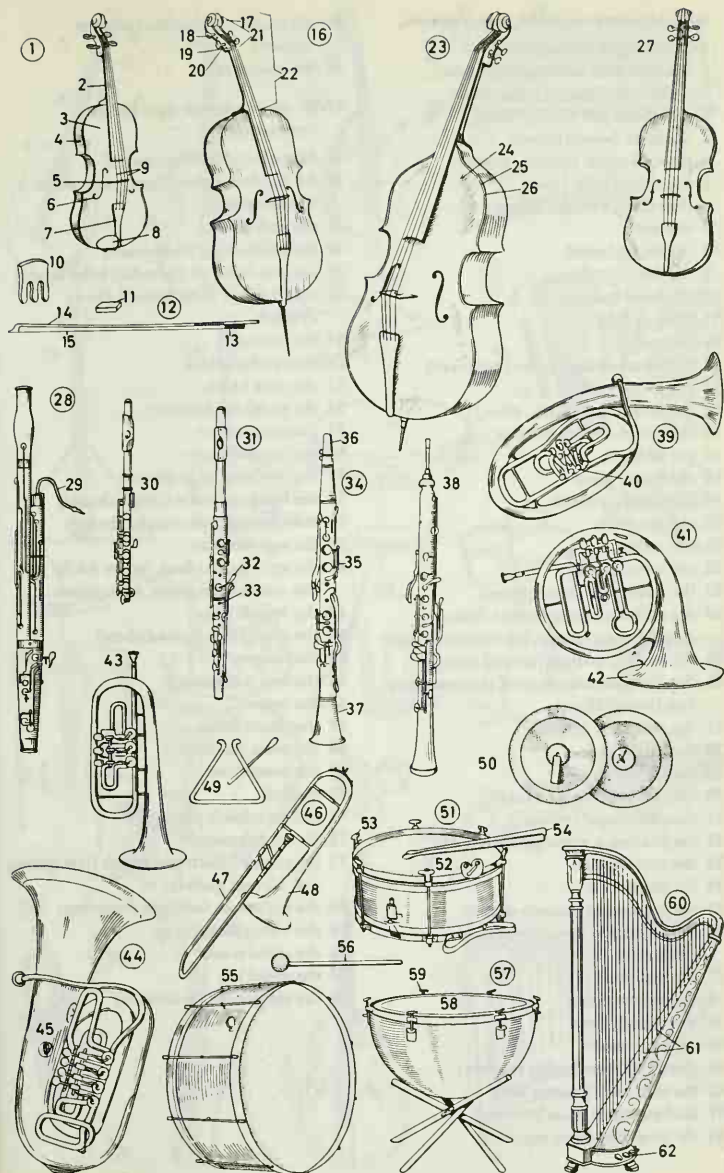
301 Musical Instruments I

- 1 the lure, a bronze trumpet
- 2 the Pan-pipes (Pan's pipes, Pandean pipes, syrinx), a shepherd's flute
- 3 the diaulos (double aulos), a double shawm (reed pipe):
- 4 the aulos (pipe)
- 5 the phorbeia (mouth-binder);
- 6 the cromorne (krumhorn, krummhorn)
- 7 the recorder (fipple flute, block flute)
- 8 the bagpipe; *sim.* musette:
- 9 the bag
- 10 the chanter (melody pipe)
- 11 the drone (drone pipes);
- 12 the cornett (zinke); *forms* : straight cornett, curved cornett, serpent
- 13 the shawm (schalmey; *larger* : bombard pommer)
- 14 the lyre:
- 15 the arch
- 16 the crossbar (yoke)
- 17 the bridge
- 18 the sound board (sound chest)
- 19 the plectrum, a pick for plucking;
- 20 the pochette (kit), a pocket fiddle
- 21 the cittern (cither, cister, citole, a stringed instrument for plucking; *sim.* pandore (bandora):
- 22 the rose, a sound hole;
- 23 the viol (treble viol, descant viol); *larger* : tenor viol, bass viol (viola da gamba, gamba), contrabass viol (violone):
- 24 the viol bow (bow);
- 25 the hurdy-gurdy (vielle, organistrum):
- 26 the friction wheel
- 27 the cover
- 28 the keyboard (keys)
- 29 the sound body
- 30 the melody strings
- 31 the drones (bourdon strings);
- 32 the dulcimer; *sim.* psaltery:
- 33 the sound chest
- 34 the sound-board (sound table, sound-ing board)
- 35 the striking hammers;
- 36 the clavichord; *forms* : the fretted or the fretless clavichord
- 37 the clavichord mechanism:
- 38 the key (key lever)
- 39 the balance rail
- 40 the guiding pin
- 41 the guiding groove
- 42 the resting rail
- 43 the tangent
- 44 the string;
- 45 the harpsichord (clavicembalo, cembalo), a wing-shaped stringed keyboard instrument; *sim.* spinet, virginals:
- 46 the upper keyboard (upper manual)
- 47 the lower keyboard (lower manual);
- 48 the harpsichord mechanism:
- 49 the key (key lever)
- 50 the jack
- 51 the rack
- 52 the tongue
- 53 the crow quill (plectrum)
- 54 the damper
- 55 the string;
- 56 the portative organ, a portable organ; *other form* : regal; *larger* : the positive organ:
- 57 the pipes
- 58 the bellows



302 Musical Instruments II

- 1-62 orchestral instruments,
- 1-27 stringed instruments, bowed instruments (strings),
 - 1 the violin (*coll.* fiddle):
 - 2 the neck of the violin
 - 3 the body (belly, sound box of the violin)
 - 4 the sides (ribs) of the violin
 - 5 the bridge of the violin
 - 6 the f-hole, a sound hole
 - 7 the tailpiece
 - 8 the chin rest
 - 9 the strings (violin strings, fiddle strings): g-string, d'-string, a'-string, e''-string;
 - 10 the mute (sordino)
 - 11 the rosin (resin, colophony)
 - 12 the violin bow (bow; *coll.* fiddle bow, fiddlestick):
 - 13 the nut
 - 14 the stick
 - 15 the hair of the violin bow, horsehair;
 - 16 the violoncello (cello), a bass violin held between the knees:
 - 17 the scroll
 - 18 the tuning peg
 - 19 the nut
 - 20 the peg box
 - 21 the head
 - 22 the finger board;
 - 23 the double bass (bass):
 - 24 the belly
 - 25 the edge
 - 26 the purfling (inlaid border);
 - 27 the viola;
 - 28-38 wood wind instruments (wood winds),
 - 28 the bassoon; *larger* : double bassoon (contrabassoon, contrafagotto):
 - 29 the mouthpiece with the double reed slip;
 - 30 the piccolo (flauto piccolo)
 - 31 the flute (German flute), a transverse flute:
 - 32 the flute key
 - 33 the finger hole;
 - 34 the clarinet; *larger* : bass clarinet:
 - 35 the key
 - 36 the mouthpiece
 - 37 the bell;
 - 38 the oboe (hautboy); *kinds* : oboe d'amore; the tenor oboe: oboe da caccia, cor anglais (English horn); heckelphone (baritone oboe);
 - 39-48 brass wind instruments (brass winds),
 - 39 the tenor horn, a flügel horn:
 - 40 the valve;
 - 41 the horn (French horn, waldhorn, corno), a valve horn:
 - 42 the bell;
 - 43 the cornet
 - 44 the bass tuba (tuba, bombardon); *sim.* euphonium, contrabass tuba:
 - 45 the thumb hold;
 - 46 the trombone; *kinds* : alto trombone, tenor trombone, bass trombone:
 - 47 the trombone slide (slide)
 - 48 the bell;
 - 49-59 percussion instruments (*in the orchestra fam. called the kitchen department*):
 - 49 the triangle
 - 50 the cymbals
 - 51-59 membranophonic instruments,
 - 51 the side drum (snare drum):
 - 52 the vellum (drum head)
 - 53 the tightening screw;
 - 54 the drumsticks
 - 55 the bass drum
 - 56 the stick
 - 57 the kettledrum, a screw drum (rimpanum); *sim.* machine drum (mechanically tuned drum):
 - 58 the kettledrum vellum or skin
 - 59 the tuning screw;
 - 60 the harp, a pedal harp:
 - 61 the strings
 - 62 the pedals



303 Musical Instruments III

1-46 popular musical instruments,

- 1-31 stringed instruments,
 - 1 the lute; *older and larger* : theorbo, chitarrone; *smaller* : mandora
 - 2 the sound box (body, chest)
 - 3 the table (sound board)
 - 4 the end-piece (holder, bridge)
 - 5 the sound hole (rose)
 - 6 the string, a catgut string
 - 7 the neck
 - 8 the finger board
 - 9 the fret
 - 10 the head (peg box)
 - 11 the peg (pin);
 - 12 the guitar:
 - 13 the metal-string holder (tail piece)
 - 14 the metal string
 - 15 the sound box (body, chest);
 - 16 the mandolin (mandoline):
 - 17 the tailpiece
 - 18 the guard plate
 - 19 the peg-box cheek;
 - 20 the plectrum
 - 21 the zither:
 - 22 the wrest plank
 - 23 the wrest pins (tuning pins)
 - 24 the accompanying strings (bass strings, open strings, unstopped strings)
 - 25 the melody strings (fretted strings)
 - 26 the rounded extension of the resonance box (sound chest);
 - 27 the plectrum (thimble)
 - 28 the balalaika
 - 29 the banjo:
 - 30 the tambourine-type body
 - 31 the parchment (vellum);
 - 32 the ocarina, a vessel-shaped flute:
 - 33 the mouthpiece
 - 34 the finger hole;
 - 35 the harmonica (mouth organ)
 - 36 the accordion (accordeon); *sim. concertina*:
 - 37 the bellows
 - 38 the bellows strap
 - 39 the melody keys
 - 40 the keyboard
 - 41 the treble stop (treble register)
 - 42 the stop key (register key)
 - 43 the bass studs (bass buttons)
 - 44 the bass stop (bass register);

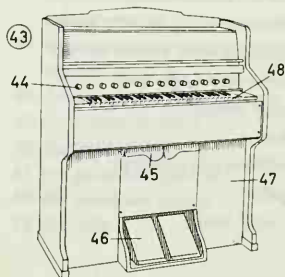
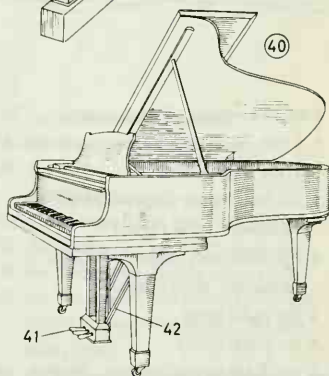
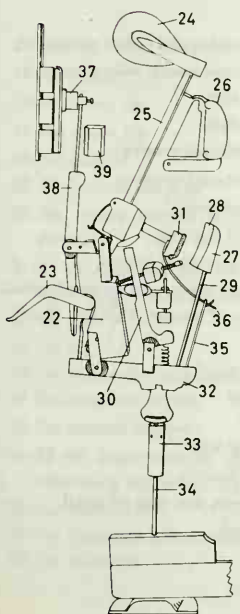
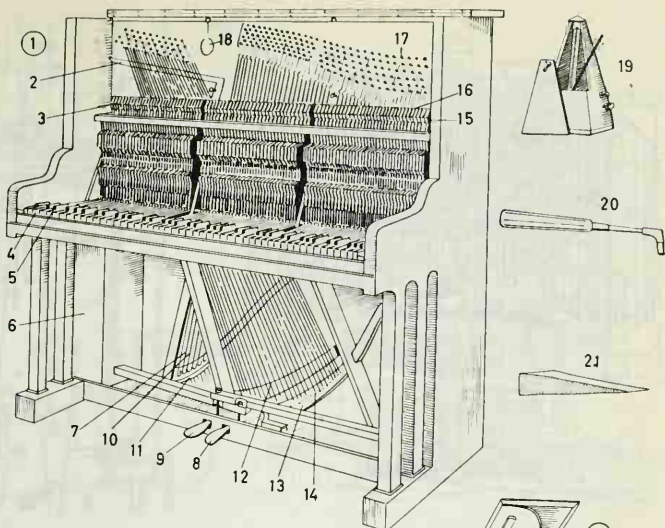
- 45 the jingle tambourine (*old form* : timbrel)

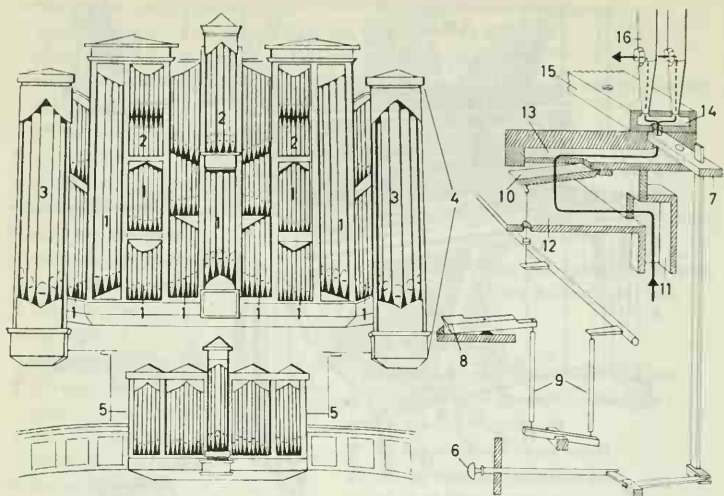
- 46 the castanets;

47-78 dance band (jazz band) instruments,

- 47-58 percussion instruments,
- 47-54 the dance band (jazz) percussion instruments:
 - 47 the bass drum
 - 48 the snare drum (side drum)
 - 49 the jazz tomtom (wooden-hoop drum)
 - 50 the high-hat (Charleston) choke cymbals
 - 51 the cymbal
 - 52 the cymbal stand
 - 53 the wire brush
 - 54 the pedal mechanism;
 - 55 the conga drum:
 - 56 the tension hoop;
 - 57 the timbales (side drums)
 - 58 the bongoes (twin Cuban drums)
 - 59 the maracas; *sim.* rumba shakers
 - 60 the sapo cubano
 - 61 the xylophone; *form.* 'straw fiddle'; *sim.* concert marimba, tubophone:
 - 62 the wooden bar
 - 63 the sound box (sound chest)
 - 64 the beater;
 - 65 the jazz trumpet:
 - 66 the valve
 - 67 the finger-hook
 - 68 the mute (sordino);
 - 69 the saxophone:
 - 70 the bell
 - 71 the detachable piece
 - 72 the mouthpiece;
 - 73 the struck (plectrum) guitar (jazz guitar, *sim.* Hawai'i guitar):
 - 74 the hollow to facilitate fingering;
 - 75 the vibraphone:
 - 76 the metal frame
 - 77 the metal bar
 - 78 the metal tube (resonator)

- 1 **the piano** (upright piano, upright pianoforte), a keyed instrument (key-board instrument); *smaller form* : cottage piano; *earlier forms* : pantaleon; clavichord,
- 2-18 the piano action (piano mechanism):
- 2 the iron frame
- 3 the hammer (piano hammer);
all together : striking mechanism
- 4 and 5 the keyboard:
- 4 the white key (ivory key)
- 5 the black key (ebony key);
- 6 the piano case
- 7 the strings
- 8 and 9 the piano pedals:
- 8 the right pedal (forte pedal, sustaining pedal, *coll.* loud pedal)
- 9 the left pedal (piano pedal, damper pedal, *coll.* soft pedal);
- 10 the treble strings
- 11 the treble bridge (treble belly bridge)
- 12 the bass strings
- 13 the bass bridge (bass belly bridge)
- 14 the hitch pin
- 15 the damper rail support
- 16 the pressure bar
- 17 the wrest pin (tuning pin, tuning peg)
- 18 the wrest plank;
- 19 the metronome
- 20 the tuning key (wrest)
- 21 the tuning wedge
- 22-39 the action (mechanism) of the keys:
- 22 the rail (middle action-rail)
- 23 the damper lever
- 24 the felt-covered hammer head
- 25 the hammer shank
- 26 the hammer rest rail
- 27 the check (action check head, back check)
- 28 the check felt
- 29 the check wire
- 30 the jack
- 31 the back stop (check tail)
- 32 the wippen (action lever)
- 33 the pilot (prolong, abstract)
- 34 the pilot wire (prolong wire)
- 35 the bridle wire
- 36 the bridle tape
- 37 the damper block (felt damper, damper)
- 38 the damper lever
- 39 the damper rest rail (spring rail);
- 40 **the concert grand** (grand, grand piano for the concert hall; *smaller* : boudoir piano, baby grand; *earlier form* : square piano):
- 41 the left concert grand pedal for damping tone by shifting the keyboard: 'una corda'
- 42 the pedal rod;
- 43 **the harmonium (reed organ); American Organ, melodeon:**
- 44 the stop (register)
- 45 the knee lever (knee swell)
- 46 the treadles (bellows pedals)
- 47 the harmonium case
- 48 the harmonium keyboard





1-52 the organ (church organ),

1-5 the organ case (organ casework),

1-3 the show pipes:

1 the Hauptwerk (*approx. English equivalent* : great organ)

2 the Oberwerk (*approx. English equivalent* : swell organ)

3 the pedal pipes

4 the pedal tower

5 the Rückpositiv (*approx. English equivalent* : choir organ);

6-16 the tracker action; *other systems* :
pneumatic action, electric action:

6 the draw-stop (*pop. stop*)

7 the slide (slider)

8 the key

9 the stickers and trackers

10 the pallet

11 the wind trunk

12-14 the sound-board (wind chest),
a slider sound-board; *other types* :
sliderless chest

12 the wind chest

13 the sound-board groove

14 the upper-board groove;

15 the upper-board(s)

16 the pipe of one stop;

17-35 the organ pipes (pipes),

17-22 the reed pipe (reed stop) of metal,
a Posaune (Trumpet, Tromba, Horn)

17 the boot

18 the shallot

19 the tongue

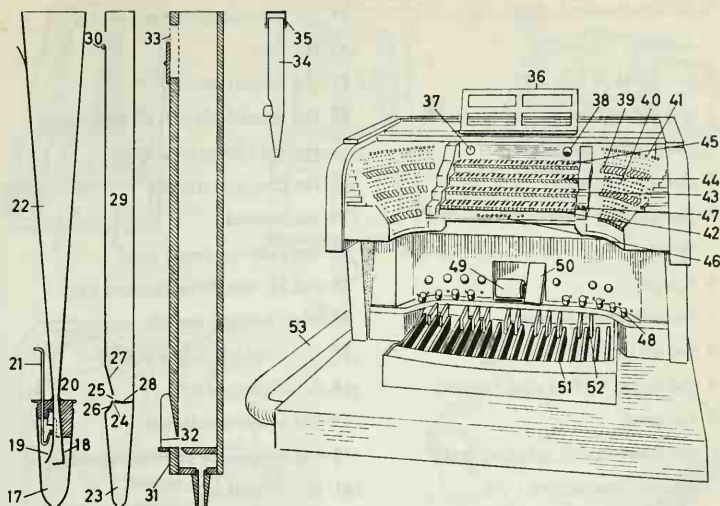
20 the block

21 the tuning wire

22 the tube (body);

23-30 the open flue pipe of metal,
a salicional:

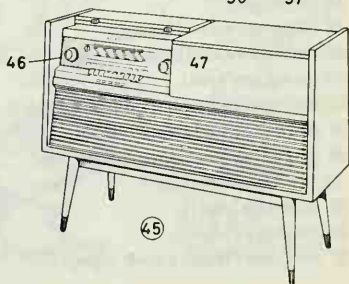
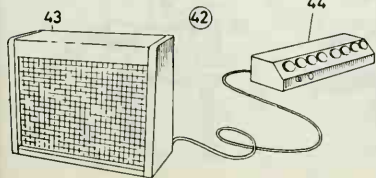
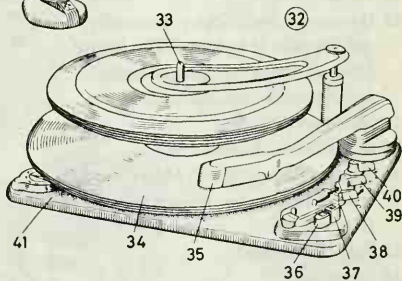
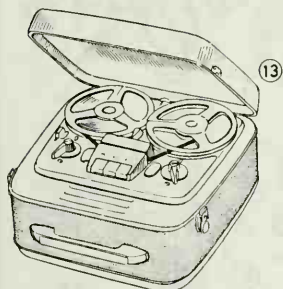
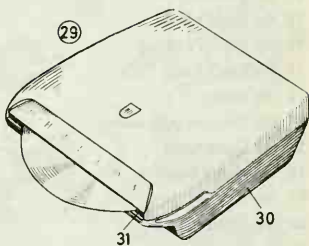
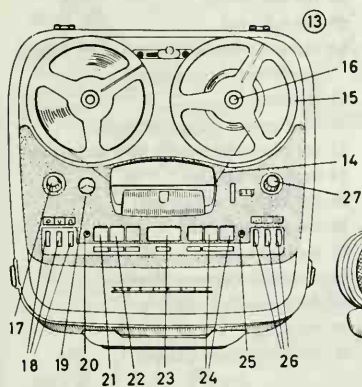
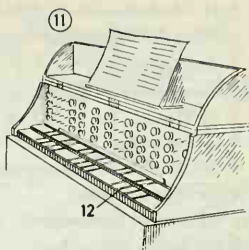
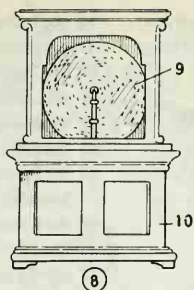
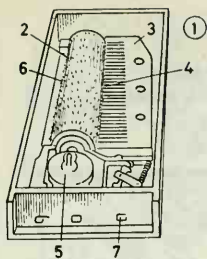
23 the foot



- 24 the flue (wind way)
 25 the mouth
 26 the lower lip
 27 the upper lip
 28 the languid
 29 the body of the pipe
 30 the tuning tongue (slot), a tuning device;
 31-33 the open flue pipe of wood, a principal (open wood, diapason bass):
 31 the cap
 32 the ear
 33 the tuning slot with slide;
 34 the stopped flue pipe
 35 the canister stopper;
 36-52 the organ console (console) of an electrically controlled organ:
 36 the music rest
 37 the crescendo roller indicator
 38 the voltmeter

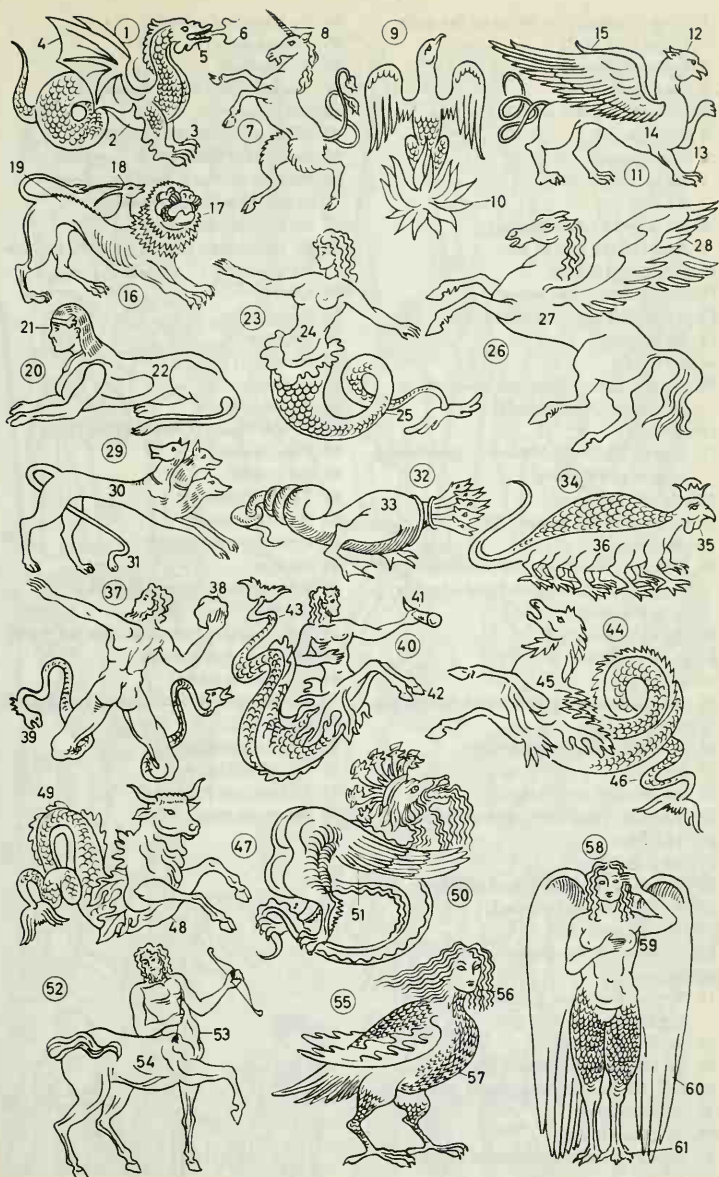
- 39 the stops (rocking tablets)
 40 the free-combination button
 41 the cancel buttons for reeds, couplers, etc.
 42 the Manual I, for the Rückpositiv
 43 the Manual II, for the Hauptwerk
 44 the Manual III, for the Oberwerk
 45 the Manual IV, for the Schwellwerk (*approx. English equivalent: for the solo organ*)
 46 the pistons for manual registration, free combinations, fixed combinations, and setter-combinations
 47 the switches for wind and action-current
 48 the toe pistons, for couplers
 49 the crescendo roller
 50 the swell pedal
 51 the pedal key (natural)
 52 the pedal key (sharp)
 53 the cable

- 1-10 mechanical musical apparatuses,
 - 1 the musical box;
 - 2 the pinned barrel (reproducer)
 - 3 the metal comb;
 - 4 the metal reed
 - 5 the driving mechanism (clock-work)
 - 6 the pin
 - 7 the adjusting device;
 - 8 the melodeon
 - 9 the metal disk or disc (music)
- 10 the case;
- 11 the trautonium, an electrical musical instrument:
- 12 the keyboard;
- 13 the tape-recording machine, a portable tape-recorder:
- 14 the recording tape
- 15 the tape reel
- 16 the winding spindle
- 17 the recording level control
- 18 the input selectors
- 19 the recording level indicator
- 20 the temporary stop button
- 21 the record button
- 22 the playback button
- 23 the stop bar
- 24 the re-wind button
- 25 the erase cut-out button
- 26 the tone control
- 27 the volume control and on-and-off switch
- 28 the microphone;
- 29 the automatic record-player:
- 30 the case
- 31 the record slot;
- 32 the record-player, an automatic record-changer:
- 33 the changer spindle
- 34 the record
- 35 the pick-up (tone arm)
- 36 and 37 the three-control key:
- 36 the 78 speed switch
- 37 the long-playing switch;
- 38 the repeat switch
- 39 the interval selector
- 40 the frequency correction selector
- 41 the turntable;
- 42 the audio amplifier, an amplifying device:
- 43 the loudspeaker
- 44 the remote-control panel;
- 45 the radiogram:
- 46 the radio set (wireless set; *Am.* radio)
- 47 the record-player

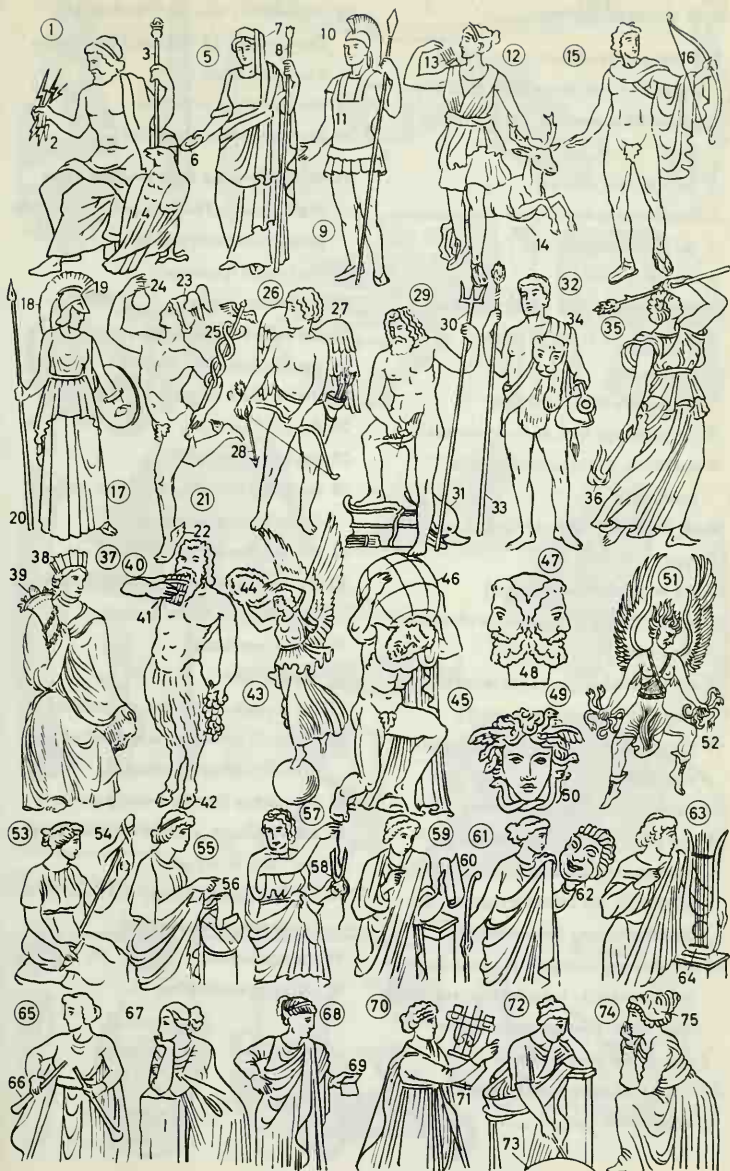


307 Figures from Fable (Legend) and Myth

- 1- 61 fabulous creatures (fabulous animals), mythological animals and beings,
 - 1 the dragon:
 - 2 the serpent's body
 - 3 the claws
 - 4 the bat's wing
 - 5 the mouth with forked tongue
 - 6 the forked tongue;
 - 7 the unicorn (monoceros):
 - 8 the spirally twisted horn;
 - 9 Phoenix (Phenix):
 - 10 the flames or ashes of resurrection;
 - 11 the griffin:
 - 12 the eagle's head
 - 13 the griffin's claws
 - 14 the lion's body
 - 15 the wing;
 - 16 the chimera (chimaera):
 - 17 the lion's head
 - 18 the goat's head
 - 19 the dragon's body;
 - 20 the Sphinx:
 - 21 the human head
 - 22 the lion's body;
 - 23 the mermaid (nixie, nixy, water nixy, nix, sea maid or maiden); *sim.* : Nereid, Oceanid (sea deities, sea goddesses); *male* : merman (nix, sea man):
 - 24 the woman's body
 - 25 the fish's tail (dolphin's tail);
 - 26 Pegasus ('Poets' horse', Muses' steed, winged horse); *sim.* Hippogrifyph (Hippogriff):
 - 27 the horse's body
 - 28 the wings;
 - 29 Cerberus (the hell hound):
 - 30 the three-headed hound's body
 - 31 the serpent's tail;
 - 32 the hydra of Lerna (Lernaeon serpent):
 - 33 the nine-headed serpent's body;
 - 34 the basilisk (cockatrice) [in England usually with two legs]:
 - 35 the cock's head
 - 36 the dragon's body;
 - 37 the Giant (Titan), a giant (ogre):
 - 38 the rock
 - 39 the serpent foot;
 - 40 the Triton, a sea being:
 - 41 the conch (shell trumpet)
 - 42 the horse's foot
 - 43 the fish's tail;
 - 44 the hippocampus (sea horse, Neptune's horse):
 - 45 the horse's body
 - 46 the fish's tail;
 - 47 the sea bull, a sea monster:
 - 48 the bull's body
 - 49 the fish's tail;
 - 50 the seven-headed dragon of St. John's revelation (Apocalypse):
 - 51 the wing;
 - 52 the Centaur (Hippocentaur):
 - 53 the human body with bow and arrow
 - 54 the horse's body;
 - 55 the harpy, a wind spirit:
 - 56 the woman's head
 - 57 the bird's body;
 - 58 the Siren, a demon (daemon):
 - 59 the woman's body
 - 60 the wing
 - 61 the bird's claws (talons)



- 1 Zeus (Jupiter), the father of the gods (Olympian god);
- 2 4 the attributes:
- 2 the thunderbolt
- 3 the sceptre (*Am.* scepter)
- 4 the eagle;
- 5 Hera (Juno):
- 6 the sacrificial bowl
- 7 the veil
- 8 the sceptre (*Am.* scepter);
- 9 Ares (Mars), god of war:
- 10 the crested helmet
- 11 the armour (*Am.* armor);
- 12 Artemis (Diana), goddess of hunting:
- 13 the quiver
- 14 the hind;
- 15 Apollo, god of light and leader of the Muses (*Musagetes*):
- 16 the bow;
- 17 Athene (Athena, Minerva), goddess of science and the arts:
- 18 the helmet plume
- 19 the Corinthian helmet
- 20 the spear;
- 21 Hermes (Mercury), the messenger god (herald of the gods) and god of roads and commerce:
- 22 the winged sandals
- 23 the winged hat
- 24 the purse
- 25 the caduceus (winged wand, Mercury's staff);
- 26 Eros (Cupid), god of love:
- 27 the wing
- 28 the arrow (Cupid's dart);
- 29 Poseidon (Neptune), god of the sea:
- 30 the trident
- 31 the dolphin;
- 32 Dionysus (Bacchus), god of wine:
- 33 the thyrsus (Bacchic staff)
- 34 the panther's skin;
- 35 the Maenad (Bacchante):
- 36 the torch;
- 37 Tyche (Fortuna), goddess of chance and fortune:
- 38 the mural crown
- 39 the cornucopia (horn of plenty);
- 40 Pan (Faunus), the shepherds' god:
- 41 the Pan-pipe
- 42 the goat's foot;
- 43 Nike (Victoria), goddess of victory:
- 44 the wreath of victory;
- 45 Atlas, a giant:
- 46 the heavens;
- 47 Janus, numen of the house:
- 48 the Janus head;
- 49 Medusa, one of the Gorgons:
- 50 the head of Medusa (of Gorgon);
- 51 the Erinys (Fury, one of the Eumenides), an avenging goddess:
- 52 the bundle of serpents;
- 53-58 the Moirai (Fates, *Parcae*), goddesses of destiny:
- 53 Clotho:
- 54 the spindle;
- 55 Lachesis:
- 56 the scroll;
- 57 Atropos:
- 58 the scissors;
- 59-75 the Muses (*Camenae*, the Nine):
- 59 Clio [history]:
- 60 the scroll;
- 61 Thalia [comedy]:
- 62 the comic mask;
- 63 Erato [erotic poetry]:
- 64 the lyre;
- 65 Euterpe [instrumental music]:
- 66 the flute;
- 67 Polyhymnia (Polymnia) [sacred song]
- 68 Calliope [epic poetry]:
- 69 the writing tablet;
- 70 Terpsichore [choral poetry and dance]:
- 71 the cithara;
- 72 Urania [astronomy]:
- 73 the celestial globe;
- 74 Melpomene [tragedy]:
- 75 the tragic mask



1-40 prehistoric finds,

1-9 the palaeolithic (paleolithic)
period (Early Stone Age) **and the**
mesolithic period (Middle Stone
 Age):

- 1 the flint axe (*Am.* ax)
- 2 the throwing-spear head
- 3 the bone harpoon head
- 4 the arrow head
- 5 the throwing stick of reindeer horn
- 6 the 'ancestor stone', a painted
stone
- 7 the horse's head, a carving
- 8 the stone age idol, an ivory statuette
- 9 the bison, a cave painting (rock
painting);

10-20 the neolithic period (Late Stone
 Age):

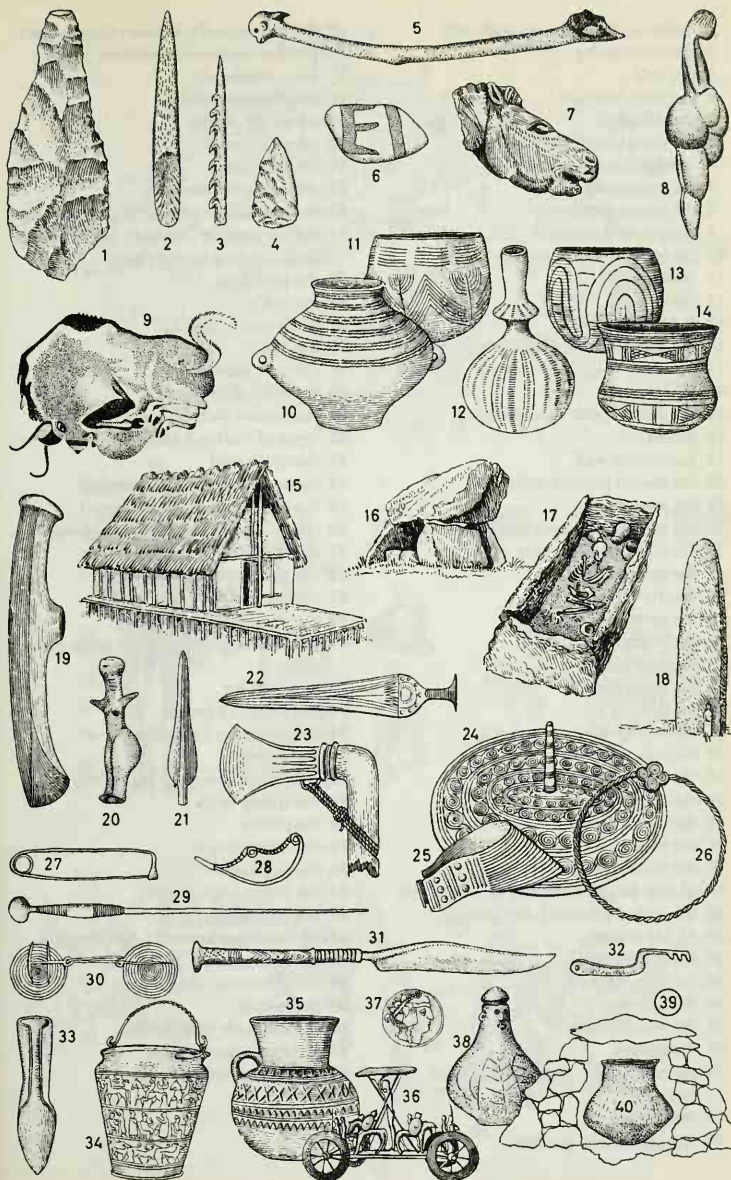
- 10 the amphora [corded ware]
- 11 the decorated bowl [bowl with incised
ornaments]
- 12 the collared amphora (narrow-necked
amphora) [megalithic pottery]
- 13 the spiral-ornamented bowl [spiral-
meander ware]
- 14 the bell beaker [zone pottery]
- 15 the pile dwelling (lake dwelling),
a lacustrine building (house erected on
piles); *sim.* the Italian terramare, the
British crannog (*err.* crannoge)
- 16 the dolmen, a megalithic grave (*when co-*
vered with earth: long barrow, tumulus);
other kinds: passage grave, gallery
grave; *sim.* round barrow
- 17 the stone-coffin burial, a crouched
burial

- 18 the menhir; *sim.* the Scandinavian
Bauta stone, the German Hinkelstein,
a standing stone
- 19 the boat axe, a stone axe
- 20 the terracotta idol, an idol;

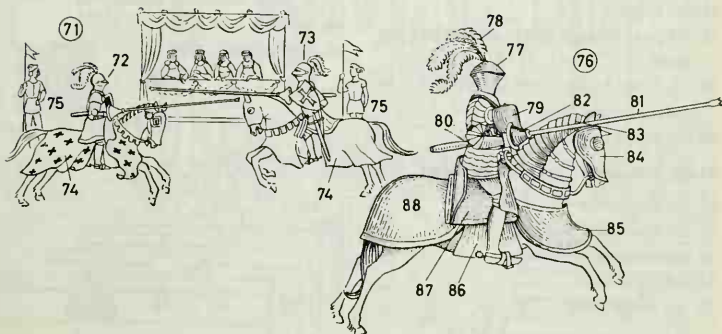
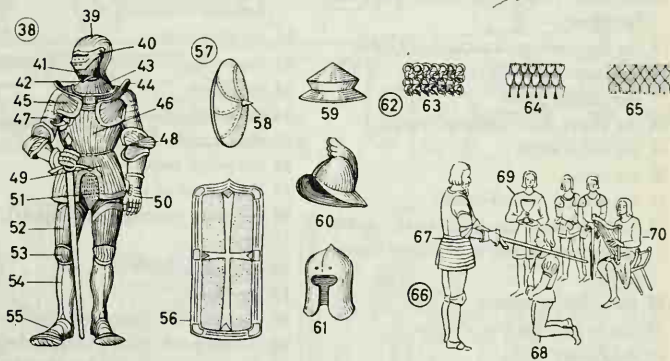
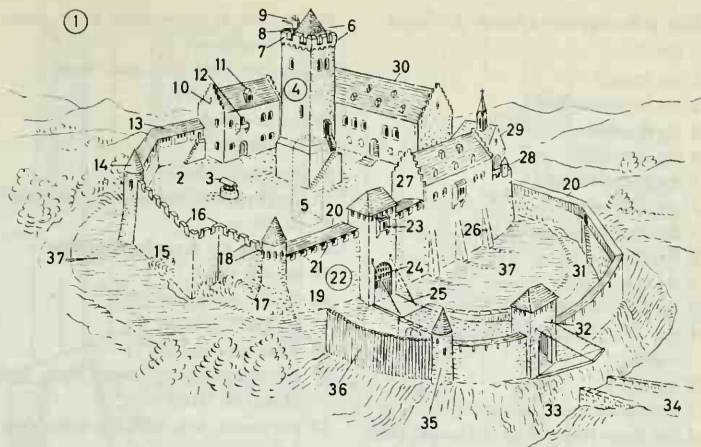
21-40 the Bronze Age and the Iron

Age; epochs: Hallstatt period, La Tène
 period (Marnean period):

- 21 the bronze spearhead
- 22 the bronze dagger
- 23 the hafted axe, a bronze axe
- 24 the belt disk (belt disc)
- 25 the necklace (lunula)
- 26 the gold neck ring
- 27 the brooch (clip)
- 28 the snake brooch; *other forms*: boat
brooch, cross bow brooch
- 29 the ball-headed pin, a bronze pin
- 30 the double spiral brooch ('spectacle'
brooch); *sim.* 'plate' brooch
- 31 the bronze knife
- 32 the iron key
- 33 the plough share (*Am.* plowshare)
- 34 the situla (shouldered bucket) of sheet
bronze, a funerary vessel
- 35 the pitcher [notched-stamp pottery]
- 36 the kettle cart, a miniature ritual cart
- 37 the Celtic silver coin
- 38 the face urn, a cinerary urn; *other forms*:
house urn, embossed urn
- 39 the urn burial:
- 40 the cone-necked urn



- 1 the castle (fortress, stronghold):
- 2 the inner bailey
- 3 the well
- 4 the keep (donjon):
- 5 the dungeon
- 6 the crenellated battlements
(crenellations)
- 7 the battlement
- 8 the tower platform;
- 9 the guard (lookout)
- 10 the women's apartments
- 11 the dormer
- 12 the balcony
- 13 the storehouse
- 14 the corner tower (angle tower)
- 15 the outer wall, curtain wall
- 16 the salient
- 17 the guard tower (watch tower)
- 18 the crenel
- 19 the curtain wall
- 20 the roofed parapet walk
- 21 the parapet
- 22 the gatehouse (castle gate):
- 23 the machicoulis gallery
- 24 the portcullis;
- 25 the drawbridge
- 26 the buttress
- 27 the kitchen and offices
- 28 the wall turret
- 29 the castle chapel
- 30 the hall
- 31 the outer bailey
- 32 the outer gate
- 33 the outer moat
- 34 the approach
- 35 the watch tower
- 36 the palisade
- 37 the moat (foss, fosse);
- 38-65 the knight's armour (*Am. armor*),
- 38 the suit of armour (*Am. armor*),
- 39-42 the helmet:
- 39 the helmet bowl
- 40 the vizor (visor)
- 41 the beaver
- 42 the throat piece;
- 43 the gorget
- 44 the pass guard (passegarde, raised
pauldron)
- 45 the pallette
- 46 the breastplate (cuirass)
- 47 the arm armour (brassarts): rerebrace
(arrière-bras) and vambrace (avant-
bras, vanbrace)
- 48 the coudière (coute)
- 49 the tasset (tuille)
- 50 the gauntlet
- 51 the hauberk
- 52 the cuisse (cuissart)
- 53 the genouillière (knee cop, knee piece)
- 54 the leg armour (jambart, jamb, jambe,
jambeau, greave, leg piece)
- 55 the sabbaton;
- 56 the pavise
- 57 the buckler (shield):
- 58 the boss;
- 59 the iron helmet
- 60 the morion (burgonet)
- 61 the basinet (salade)
- 62 types of mail and armour
- 63 the chain mail
- 64 the scale armour (*Am. armor*)
- 65 the plate armour (*Am. armor*);
- 66 the accolade (knighting, dubbing):
- 67 the liege lord, a knight
- 68 the squire-at-arms (esquire)
- 69 the cup-bearer
- 70 the minstrel (troubadour);
- 71 the tournament (tourney, joust, just,
tilt):
- 72 the crusader
- 73 the Knight Templar
- 74 the caparison (trappings)
- 75 the marshal;
- 76 the tilting armour (*Am. armor*):
- 77 the tilting helm
- 78 the plume
- 79 the tilting target
- 80 the lance rest
- 81 the tilting lance (lance)
- 82 the vamplate;
- 83-88 the horse armour (*Am. armor*):
- 83 the neck guard
- 84 the chamfron (chamfrain)
- 85 the poitrel
- 86 the flancards (flanchards)
- 87 the tournament saddle
- 88 the quarter (rump) piece



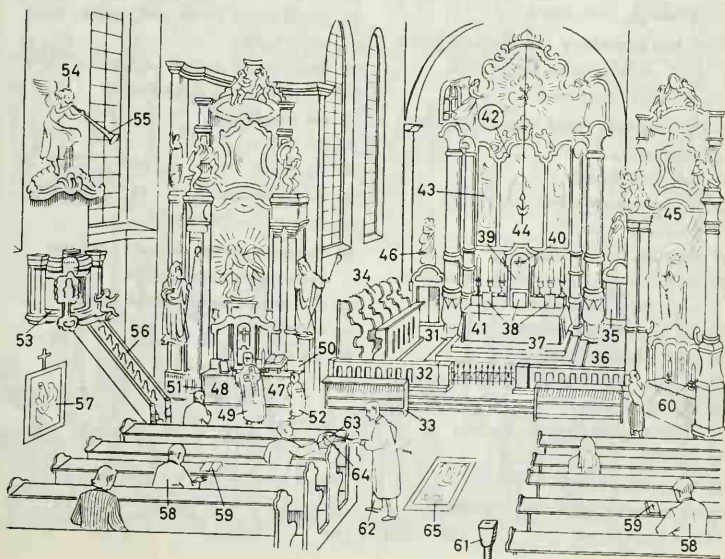
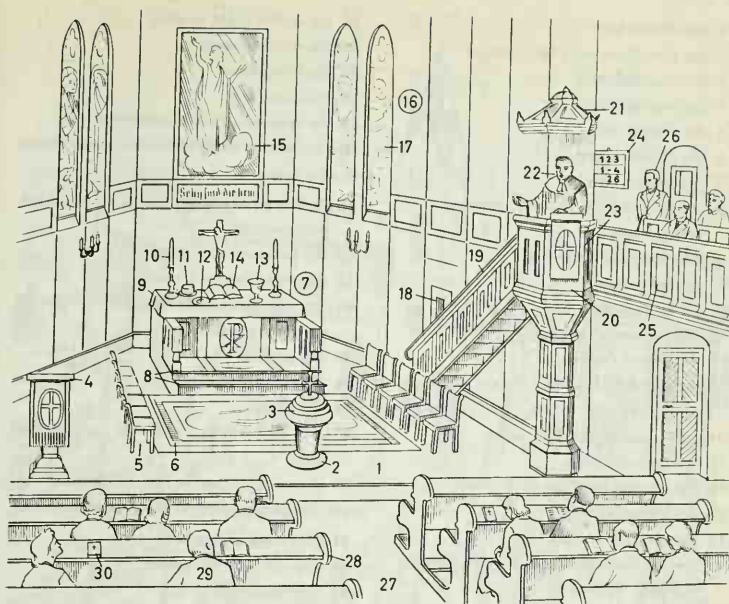
1-30 a Protestant church (Lutheran church):

- 1 the chancel
- 2 the baptismal font
- 3 the font basin
- 4 the lectern
- 5 the chancel chair
- 6 the altar carpet
- 7 the altar (communion table):
- 8 the altar steps
- 9 the altar cloth;
- 10 the altar candle
- 11 the pyx (box with communion wafers)
- 12 the paten
- 13 the chalice (communion cup)
- 14 the Bible (Holy Writ, Scripture, Holy Scripture)
- 15 the altar picture, a picture of Christ
- 16 the church window:
- 17 the stained glass;
- 18 the vestry door (sacristy door)
- 19 the pulpit steps
- 20 the pulpit
- 21 the canopy (sound-board)
- 22 the preacher (parson, vicar, rector, clergyman, pastor) in his robes (canonicals)
- 23 the pulpit balustrade
- 24 the hymn board
- 25 the gallery
- 26 the vergers (sexton, sacristan, *Am.* usher)
- 27 the aisle
- 28 the pew (church pew); *all together*: the pews
- 29 the church-goer (worshipper); *all together*: congregation
- 30 the hymn book;

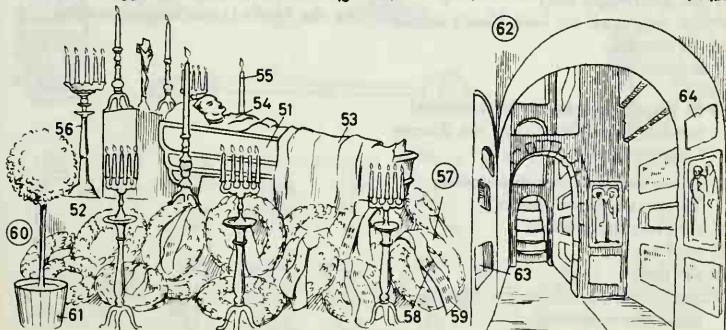
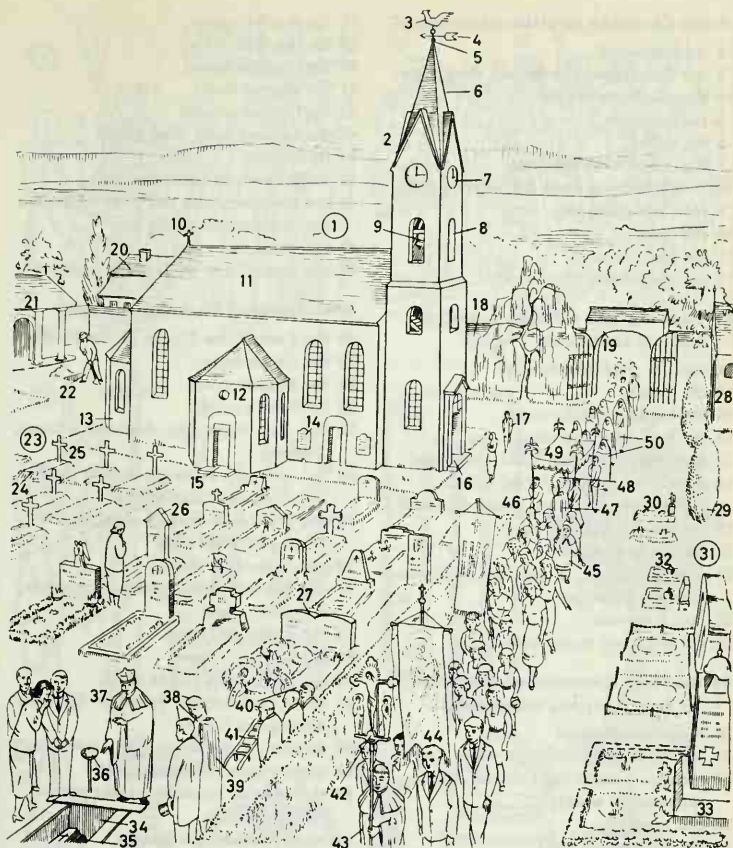
31-65 a Roman Catholic church:

- 31 the altar steps
- 32 the altar rails (parclose)
- 33 the communion bench
- 34 the choir stalls
- 35 the ambulatory

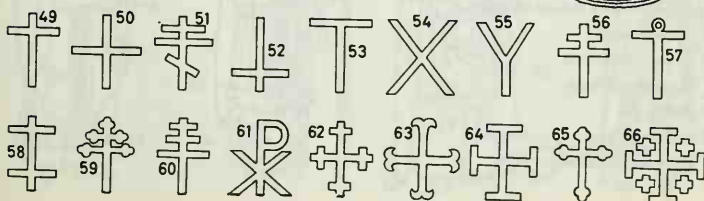
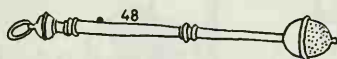
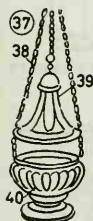
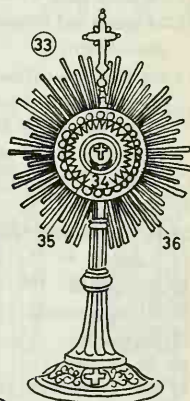
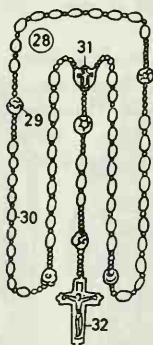
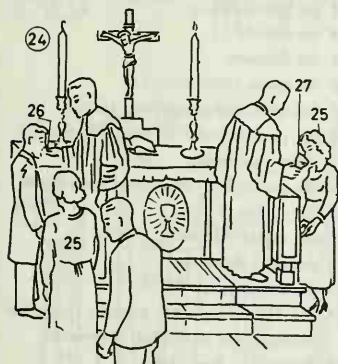
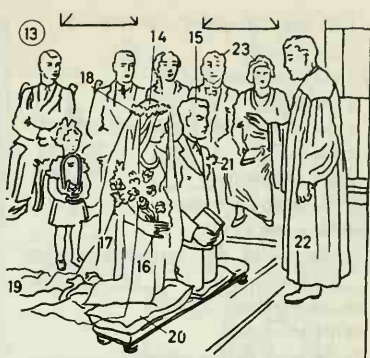
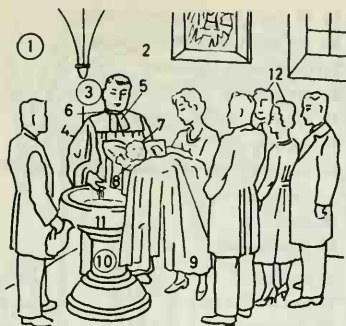
- 36 the chancel (presbytery, choir, sacarium, sanctuary)
- 37 the altar (high altar, main altar)
- 38 the canon tables
- 39 the tabernacle
- 40 the crucifix
- 41 the altar candle
- 42 the altar piece (reredos with side wings):
- 43 the wing;
- 44 the altar fire (ever-burning light)
- 45 the side altar
- 46 the statue of a saint
- 47 the epistle side
- 48 the gospel side
- 49 the priest saying mass (Mass, Holy Mass, low Mass)
- 50 the missal desk with the mass-book (missal)
- 51 the altar cloth
- 52 the server
- 53 the pulpit
- 54 the angel
- 55 the trumpet
- 56 the pulpit steps
- 57 the station of the Cross
- 58 the man praying (worshipper), a believer
- 59 the prayer book
- 60 the candle
- 61 the alms box (poor-box)
- 62 the sacristan (sexton, vergers, *Am.* usher)
- 63 the collection bag (*Am.* alms basket; *in Engl.* collection plate)
- 64 the alms (offering)
- 65 the memorial slab



- 1 the church:**
 2 the church tower; *here*: steeple
 3 the weathercock
 4 the weather-vane
 5 the steeple ball
 6 the church spire
 7 the church clock
 8 the sound hole (louvre, louver, belfry window)
 9 the electric church bell
 10 the ridge cross
 11 the church roof
 12 the memorial chapel
 13 the vestry (sacristy)
 14 the memorial tablet or plate (wall-memorial, wall-stone, *Am.* marker) with inscription (epitaph)
 15 the side entrance
 16 the church door (church porch);
 17 the church-goer
 18 the churchyard wall
 19 the churchyard gate; *when deeper*: lichgate (lychgate)
 20 the vicar's house (rectory, vicarage, parsonage, *Scot.* manse)
21-41 the cemetery (churchyard, graveyard, burial ground, God's acre, *Am.* burying ground):
 21 the mortuary (dead house, lich house, lych house)
 22 the grave-digger
 23 the grave (tomb, burying place):
 24 the grave mound
 25 the cross on the tomb;
 26 the tombstone (gravestone, sepulchral monument, headstone, *Am.* marker)
 27 the family grave (family tomb)
 28 the cemetery chapel
 29 the tree of life (arbor vitae, thuya tree)
 30 the child's grave
 31 the urn grove (grove of urns):
 32 the urn;
 33 the soldier's grave
 34-41 the funeral (burial, interment):
 34 the open grave
 35 the coffin (*Am.* casket)
 36 the bowl of sand
 37 the clergyman
 38 the bereaved
 39 the widow's veil, a mourning veil
 40 the bearers (coffin-bearers, undertakers)
 41 the bier;
42-50 the procession (ritual, or religious, procession):
 42 the processional cross
 43 the cross-bearer (crucifer)
 44 the processional banner, a church banner (vexillum)
 45 the acolyte
 46 the canopy-bearer
 47 the priest
 48 the monstrance with the consecrated Host
 49 the canopy (baldachin, baldaquin)
 50 the participants in the procession;
51-61 lying-in-state:
 51 the coffin (*Am.* casket)
 52 the catafalque
 53 the pall
 54 the deceased (dead man, corpse, dead body, body)
 55 the funerary candle
 56 the candelabra, a candlestick
 57 the wreath;
 58 the ribbon
 59 the card;
 60 the laurel tree;
 61 the tree tub (plant tub);
62 the catacomb, an early Christian subterranean burial place:
 63 the niche (arched tomb recess, arcosolium)
 64 the stone slab

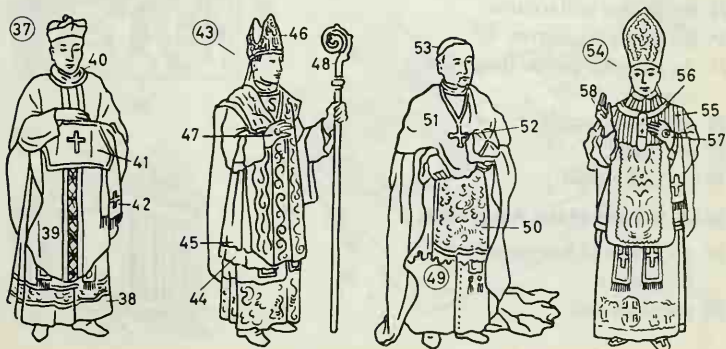
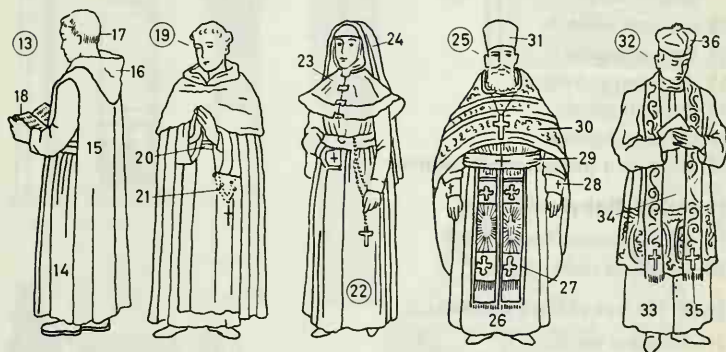
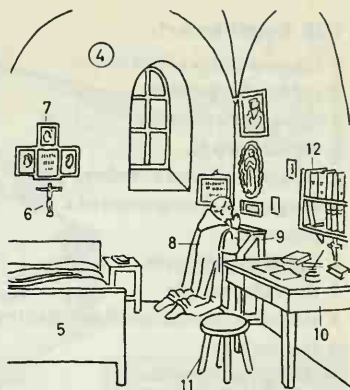


- 1 **the Christian baptism** (christening):
- 2 the baptistery
- 3 the Protestant (Lutheran) clergyman:
- 4 the robes (vestments)
- 5 the bands
- 6 the collar;
- 7 the infant to be baptized
- 8 the christening dress (christening robe)
- 9 the christening veil
- 10 the font:
- 11 the font basin;
- 12 the godparents (sponsors);
- 13 **wedding** (the marriage ceremony, wedding ceremony):
- 14 and 15 the bridal couple:
- 14 the bride
- 15 the bridegroom (groom);
- 16 the ring (wedding ring)
- 17 the bride's bouquet (bridal bouquet)
- 18 the myrtle wreath (bridal wreath; *in England*: crown of orange blossom)
- 19 the veil (bridal veil)
- 20 the bridal cushion
- 21 the buttonhole of myrtle; *in England usually* a carnation
- 22 the clergyman
- 23 the witnesses to the marriage;
- 24 **the Holy Communion** (sacrament of the Lord's Supper, communion):
- 25 the communicants
- 26 the Host (holy wafer), a wafer
- 27 the communion cup (chalice, wine, sacramental wine);
- 28 the rosary:
- 29 the paternoster bead
- 30 the Ave bead; ten *beads* form a decade
- 31 the junction
- 32 the crucifix;
- 33-48 **liturgical vessels** (ecclesiastical vessels, sacred vessels) of the Roman Catholic Church,
- 33 the monstrance (sun monstrance, Venerabile, Sanctissimum):
- 34 the Host (large Host)
- 35 the lunule
- 36 the rays;
- 37 the censer (thurible) for offering incense (for incensing):
- 38 the thurible chain
- 39 the thurible cover
- 40 the thurible bowl;
- 41 the incense boat:
- 42 the incense spoon;
- 43 the Sanctus bells (altar bells)
- 44 the chalice
- 45 the holy-water basin or vessel
- 46 the ciborium with the small Hosts for the communion of the laity
- 47 the altar bell
- 48 the aspergillum (holy-water sprinkler);
- 49-66 **forms of Christian crosses**:
- 49 the Latin cross (Cross of the Passion)
- 50 the Greek cross
- 51 the Russian cross
- 52 St. Peter's cross
- 53 the Tau cross (St. Anthony's cross, T-cross)
- 54 St. Andrew's cross (*in heraldry*: saltire, saltier; Burgundian cross)
- 55 the Y-cross (Y-shaped cross; *in heraldry*: pall, cross pall)
- 56 the cross of Lorraine
- 57 the Tau cross with handle (crux ansata, Egyptian cross)
- 58 the patriarchal cross
- 59 the cardinal's cross
- 60 the papal cross (triple cross)
- 61 the Constantinian cross, a Christian monogram (CHR)
- 62 crosslet, cross crossletted [*in heraldry*]
- 63 cross ancrée [*in heraldry*]
- 64 the cross of Jerusalem; cross potent [*in heraldry*]
- 65 cross botonée, [*in heraldry*]
- 66 the fivefold cross, quintuple cross



314 Monastery, Habits and Vestments of Religious Orders

- 1-12 the abbey (priory, monastery):
 - 1 the cloisters
 - 2 the cloister garth
 - 3 the monk
 - 4 the monk's cell (monastery cell, cell):
 - 5 the bed
 - 6 the crucifix
 - 7 the picture of a saint
 - 8 the monk's frock
 - 9 the praying desk (prie-dieu, kneeling desk, faldstool)
 - 10 the work table
 - 11 the stool
 - 12 the book shelf, a wall shelf;
- 13 24 habits and vestments of religious orders,
 - 13 the Benedictine (Black Monk), a monk; other religious orders: Franciscans (Minorites, Friars Minor), Capuchins, Cistercians (Bernardines, White Monks), Trappists (Reformed Cistercians), Jesuits,
- 14-16 the monastic habit:
 - 14 the frock
 - 15 the scapular
 - 16 the hood (cowl);
 - 17 the tonsure
 - 18 the breviary
 - 19 the Dominican (Friar Preacher, *in England*: Black Friar, *in France*: Jacobin), a mendicant, a friar:
- 20 the girdle (cingulum)
- 21 the rosary;
- 22 a nun:
- 23 the wimple (gimp)
- 24 the veil;
- 25-58 priests in liturgical vestments,
 - 25 the Russian Orthodox priest:
 - 26 the sticharion
 - 27 the epitrachelion
 - 28 the epimanikion
 - 29 the girdle
 - 30 the phelonion
 - 31 the kamelaukion;
 - 32-58 the Roman Catholic clergy,
 - 32 the priest in choral vestments:
 - 33 the cassock (soutane)
 - 34 the surplice
 - 35 the stole (stola)
 - 36 the biretta;
 - 37 the priest in mass (eucharistic, sacred) vestments:
 - 38 the alin
 - 39 the chasuble
 - 40 the amice
 - 41 the chalice veil
 - 42 the manipule;
 - 43 the bishop:
 - 44 the tunicle
 - 45 the dalmatic
 - 46 the mitre (*Am.* miter)
 - 47 the episcopal (pontifical) ring
 - 48 the pastoral staff (crosier, crozier, bishop's crook);
 - 49 the cardinal in ceremonial vestments:
 - 50 the rochet
 - 51 the cappa magna
 - 52 the pectoral cross
 - 53 the zucchetto;
 - 54 the Pope (supreme pontiff, pontifex maximus) in pontifical vestments:
 - 55 the fanon (*form.* orale)
 - 56 the pall (pallium)
 - 57 the glove with the cross
 - 58 the Fisherman's ring (Pope's ring of investiture)



1-18 Egyptian art,

- 1 the pyramid, a king's tomb:
- 2 the king's chamber
- 3 the queen's chamber
- 4 the air passage
- 5 the underground chamber;
- 6 the general arrangement of a pyramid:
- 7 the funerary temple
- 8 the valley temple
- 9 the pylon (monumental gateway)
- 10 the obelisks;
- 11 the Egyptian sphinx
- 12 the winged sun disk or disc (solar disk or disc)
- 13 the lotus column:
- 14 the bud capital;
- 15 the papyrus column:
- 16 the bell capital;
- 17 the palm column
- 18 the carved (ornamented) column;

19 and 20 Babylonian art,

- 19 the Babylonian frieze:
- 20 the glazed relief tile;

21-28 the art of the Persians,

- 21 the tower tomb:
- 22 the stepped pyramid;
- 23 the double bull column:
- 24 the projecting leaves
- 25 the palmette capital (palm-leaf capital)
- 26 the volute (scroll)
- 27 the shaft
- 28 the bull capital;

29-36 the art of the Assyrians,

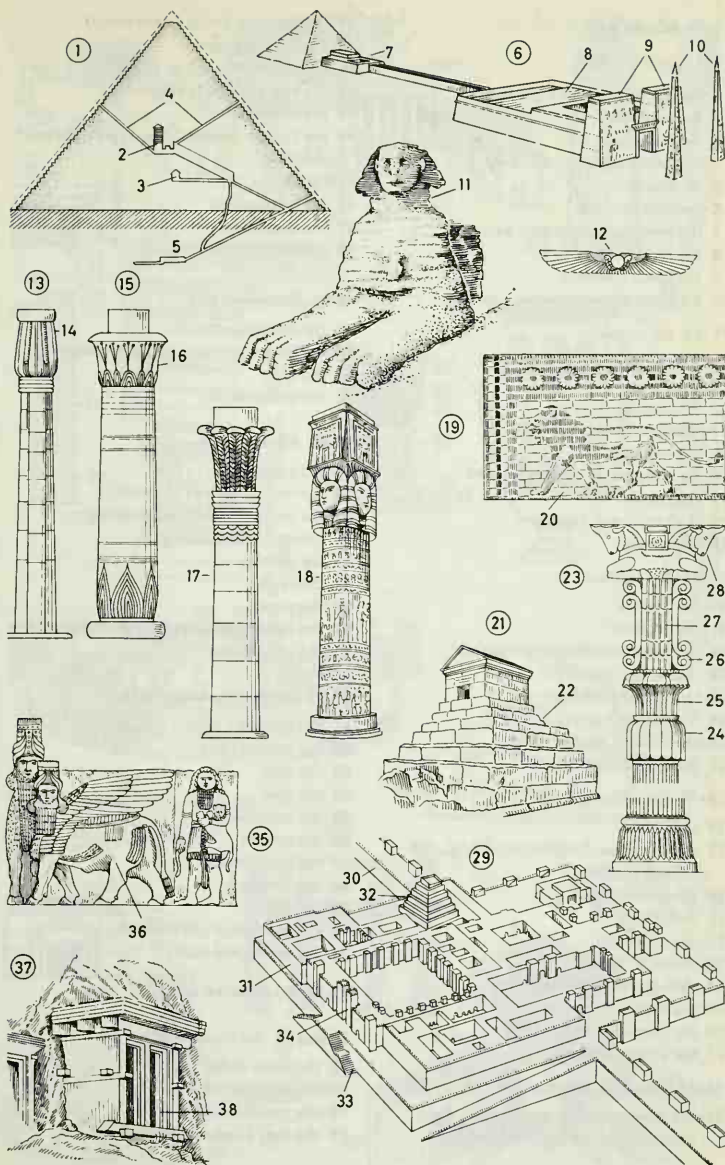
- 29 the Palace of Sargon, palace buildings:
- 30 the town wall

- 31 the castle wall

- 32 the temple observatory (ziggurat), a stepped tower
- 33 the flyers (outside staircase)
- 34 the main portal (main gateway);
- 35 the portal ornament:
- 36 the portal figure;

37 art of Asia Minor:

- 38 the rock tomb



1-48 Greek art,

- 1-7 the Acropolis,
 - 1 the Parthenon, a Doric temple;
 - 2 the peristyle
 - 3 the pediment
 - 4 the substructure (stereobate);
 - 5 the statue
 - 6 the temple walls
 - 7 the propylaea (entrance gateway);
 - 8 the Doric column,
 - 9 the Ionic column,
 - 10 the Corinthian column,
- 11-14 the cornice:
 - 11 the cymatium
 - 12 the corona
 - 13 the mutule
 - 14 the dentils (modillions);
- 15 the triglyph
- 16 the metope, a frieze ornament
- 17 the regula
- 18 the architrave (epistyle)
- 19 the taenia
- 20-25 the capital:
 - 20 the abacus
 - 21 the echinus
 - 22 the hypotrachelium (gorgerin)
 - 23 the volute (scroll)
 - 24 the volute cushion
 - 25 the row of leaves;
- 26 the column shaft
- 27 the flutings (flutes)
- 28-31 the column base:
 - 28 the torus
 - 29 the trochilus (hollow moulding, *Am.* hollow molding)
 - 30 the lower torus
 - 31 the plinth;
 - 32 the stylobate
 - 33 the stele (stela):
 - 34 the acroter (acroterium);
 - 35 the herma (hermes)
 - 36 the caryatid; *male* : Atlas
 - 37 the Greek vase,
- 38-43 Greek ornamentation:
 - 38 the bead-and-dart moulding (*Am.* molding), an ornamental band

- 39 the running scroll (wave band)
- 40 the leaf ornament
- 41 the palm leaf
- 42 the egg-and-dart cyma
- 43 the meander;
- 44 the Greek theatre (*Am.* Greek theater; theatron);
- 45 the skene
- 46 the proskenion
- 47 the orchestra
- 48 the thymele (altar);

49-52 Etruscan art,

- 49 the Etruscan temple:
- 50 the temple portico (temple vestibule)
- 51 the cella
- 52 the entablature;

53-60 Roman art,

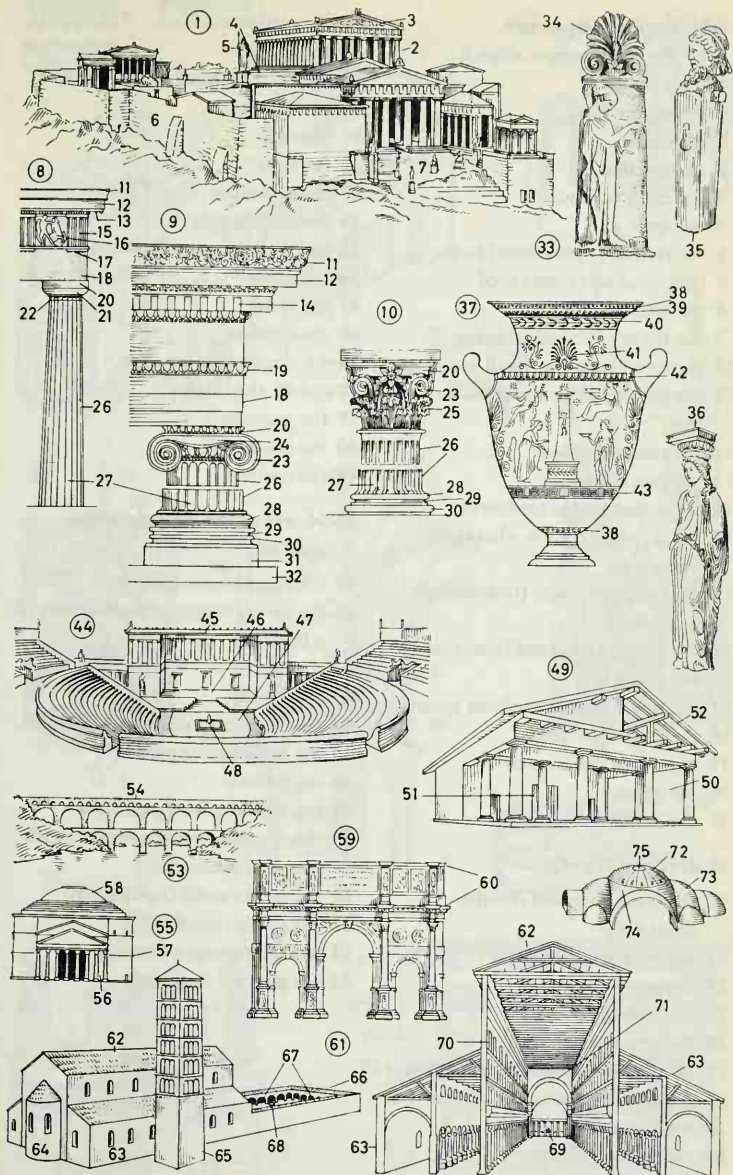
- 53 the aqueduct:
- 54 the water channel (conduit);
- 55 the centrally-planned building (centralised building):
- 56 the portico
- 57 the reglet
- 58 the cupola;
- 59 the triumphal arch (porta triumphalis):
- 60 the attic storey;

61-71 early-Christian art,

- 61 the basilica:
- 62 the central nave
- 63 the aisle
- 64 the apse
- 65 the campanile
- 66 the atrium
- 67 the colonnade
- 68 the fountain
- 69 the altar
- 70 the clerestory (clearstory)
- 71 the triumphal arch;

72-75 Byzantine art,

- 72 and 73 the dome system:
 - 72 the main dome
 - 73 the semi-dome;
- 74 the pendentive
- 75 the eye, a lighting aperture



1-21 Romanesque art,

1-13 the Romanesque church
(cathedral):

- 1 the central nave
- 2 the aisle
- 3 the transept
- 4 the choir (chancel)
- 5 the apse
- 6 the central (*Am.* center) tower:
- 7 the pyramidal tower roof
- 8 the arcading;
- 9 the frieze of round arcading
- 10 the blind arcading (wall arcading)
- 11 the pilaster strip, a vertical wall strip
- 12 the round window
- 13 the side entrance;
- 14-16 Romanesque ornaments:
- 14 the chequered (*Am.* checkered) ornament
- 15 the scale ornament (imbricated ornament)
- 16 the zigzag ornament (chevron ornament);
- 17 the Romanesque vaulting system:
- 18 the transverse arch
- 19 the semi-circular arch
- 20 the pillar;
- 21 the cushion capital;

22-41 Gothic art,

- 22 the Gothic church (Gothic cathedral):
- 23 the rose window
- 24 the porch
- 25 the archivolt
- 26 the tympanum;
- 27-35 the Gothic structural system,
- 27 and 28 buttresses:
- 27 the buttress
- 28 the flying buttress;

29 the pinnacle

30 the gargoyle

31 and 32 the ribbed vault (quadripartite vault):

31 the ribs

32 the boss;

33 the triforium

34 the Gothic pier

35 the shaft (engaged column);

36 the gable;

37 the finial

38 the crocket

39-41 the tracery window,

39 and 40 the tracery:

39 the quatrefoil

40 the cinquefoil;

41 the mullions;

42-54 art of the Renaissance period,

42 the Renaissance church:

43 the projection, a projecting part of a building

44 the drum

45 the lantern

46 the pilaster (wall shaft, half shaft);

47 the Renaissance palace:

48 the cornice

49 the window with pediment

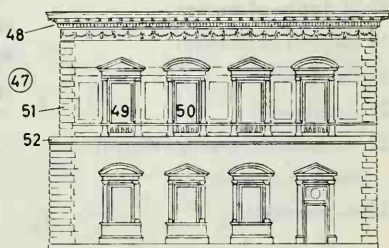
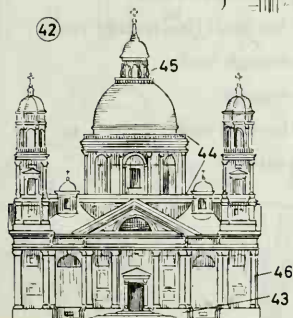
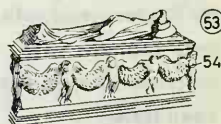
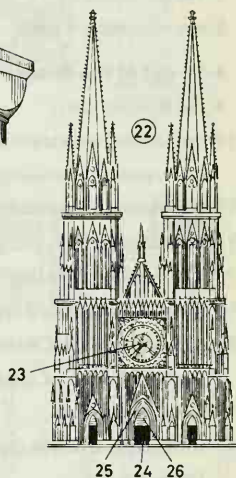
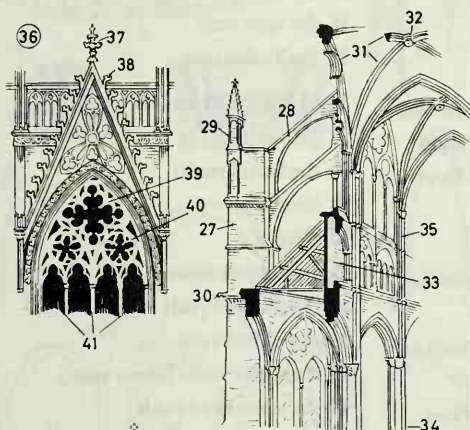
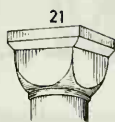
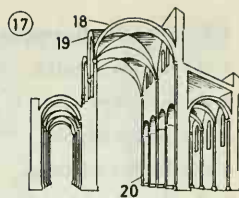
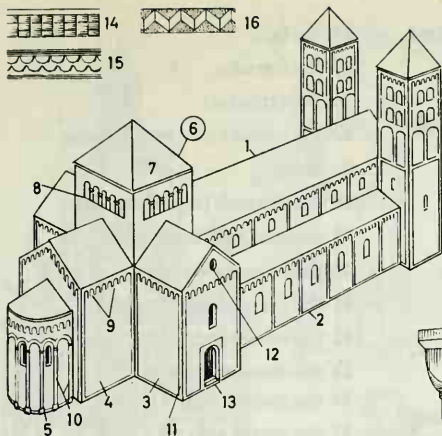
50 the window with pediment (with rounded pediment)

51 the rustic work (rustication)

52 the string course;

53 the sarcophagus (tomb):

54 the garland (festoon)



1-8 art of the Baroque period,

- 1 the Baroque church:
- 2 the bull's-eye
- 3 the lantern cupola
- 4 the dormer window
- 5 the curved gable
- 6 the twin columns;
- 7 the cartouche;
- 8 the cartouche work;

9-13 art of the Rococo period,

- 9 the Rococo wall:
- 10 the coving, a concave moulding
(*Am.* concave molding)
- 11 the framing ornament
- 12 the headpiece;
- 13 the rocaille, a Rococo ornament;
- 14 the table in **Louis Seize style**
- 15 a building of the **Classic Revival period** (in Neo-Classic style), a gateway
- 16 the **Empire table** (table in the Empire style)
- 17 the **Biedermeier sofa** (sofa in the Biedermeier style)
- 18 the easy chair in the **Art Nouveau style**

19-37 types of arches,

- 19 the arch (wall arch):
- 20 the abutment
- 21 the impost
- 22 the springer, a wedge-shaped stone (*voussoir*)
- 23 the keystone

24 the face

25 the intrados

26 the extrados;

27 the round arch (semi-circular arch)

28 the flat arch (segmental arch)

29 the parabolic arch

30 the horseshoe arch

31 the pointed arch

32 the trefoil arch

33 the shouldered arch

34 the convex arch

35 the tented arch

36 the ogee arch

37 the Tudor arch;

38-50 forms of vaults

(of vaulting),

38 the barrel vault:

39 the crown

40 the side;

41 the cloister vault

42 the groined vault

43 the ribbed vault

44 the stellar vault (*lierne vault*)

45 the reticulated vault

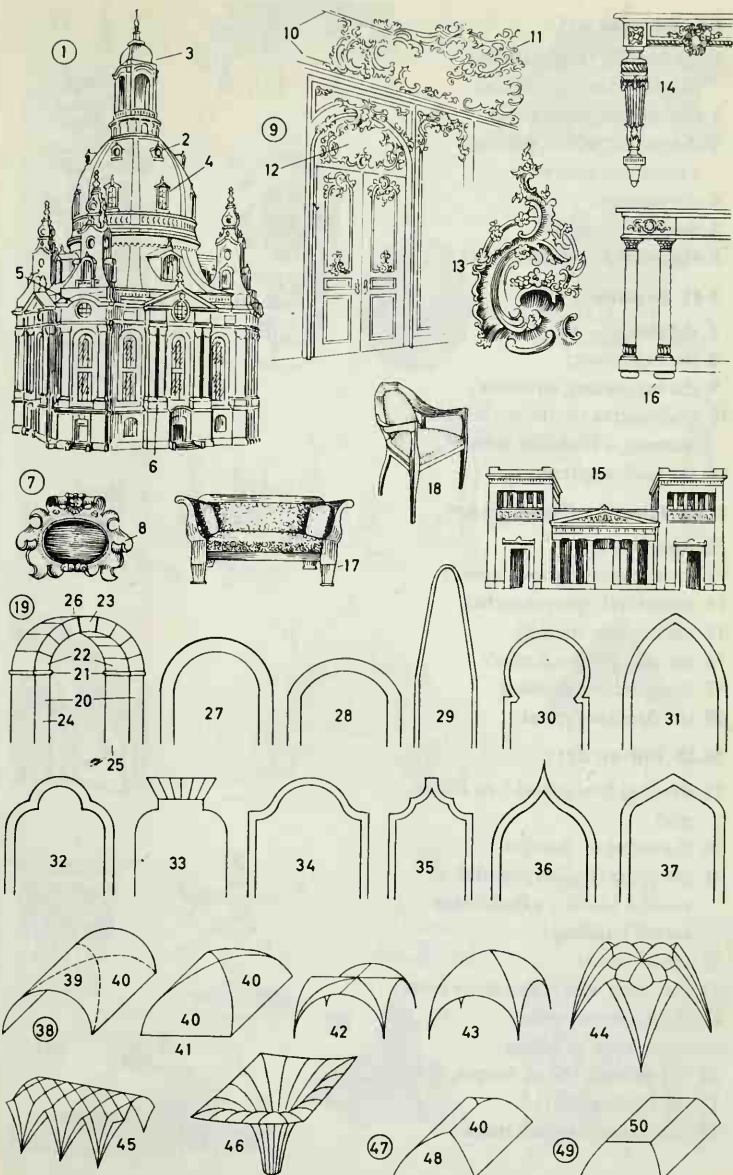
46 the fan vault (*fan-tracery vault*)

47 the trough vault:

48 the trough;

49 the cavetto vault:

50 the cavetto



1-6 Chinese art,

- 1 the pagoda (many-storied pagoda), a temple tower;
- 2 the superimposed roof;
- 3 the pailou (pailoo, pailow), a memorial archway;
- 4 the passage;
- 5 the porcelain vase
- 6 the incised lacquered work;

7-11 Japanese art:

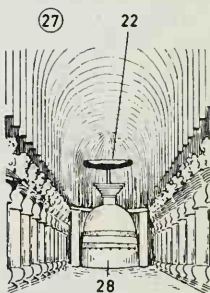
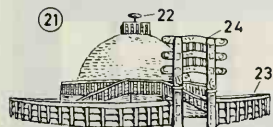
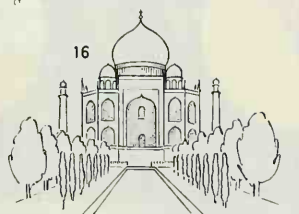
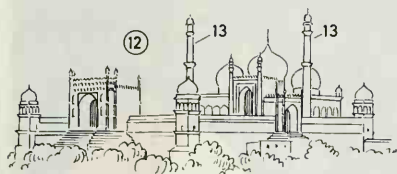
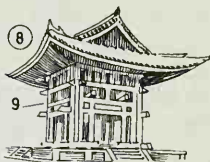
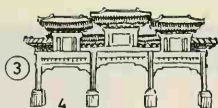
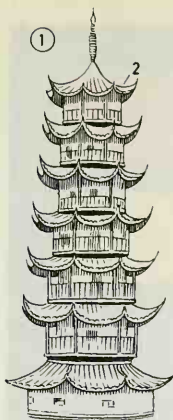
- 7 the temple
- 8 the bell tower:
- 9 the supporting structure;
- 10 bodhisattva (bodhisat, bodhisattwa), a Buddhist saint
- 11 the torii, a gateway;

12-18 Islamic (Islamitic) art,

- 12 the mosque:
- 13 the minaret, a prayer tower;
- 14 the mihrab (prayer niche)
- 15 the mimbar (pulpit)
- 16 the mausoleum, a tomb
- 17 the stalactite vaulting
- 18 the Arabian capital;

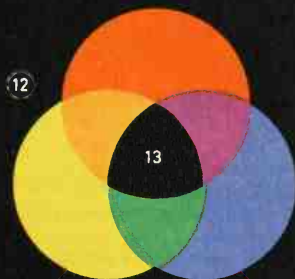
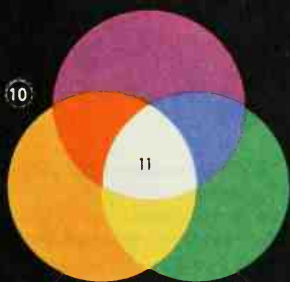
19-28 Indian art:

- 19 dancing Siva (Shiva), an Indian god
- 20 the statue of Buddha
- 21 the stupa (Indian pagoda), a mound (dome), a Buddhistic sacred building:
- 22 the umbrella
- 23 the stone wall (*Am.* stone fence)
- 24 the entrance tower;
- 25 the temple buildings:
- 26 the sikhara (sikra, temple tower);
- 27 the chaitya hall:
- 28 the chaitya, a small stupa

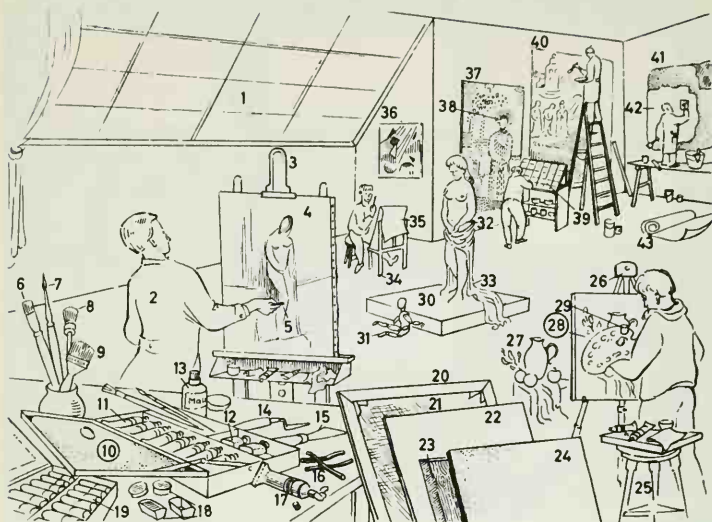


Engl. colour = Am. color

- 1 red
- 2 yellow
- 3 blue
- 4 pink
- 5 brown
- 6 azure (sky-blue)
- 7 orange
- 8 green
- 9 violet
- 10 the additive mixture of colours
(coloured light):
- 11 white;
- 12 the subtractive mixture of colours
(pigments):
- 13 black;
- 14 the solar spectrum
- 15 the grey (gray) scale
- 16 the heat colours

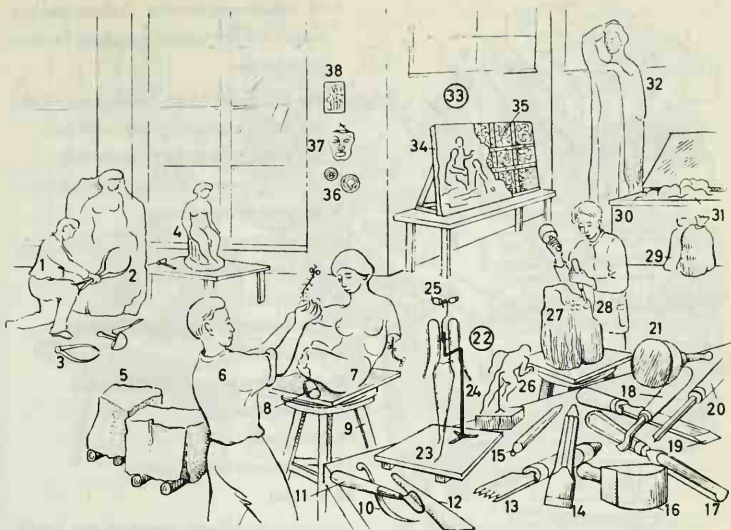


1300° 1200° 1100° 1000° 850° 825° 790° 765° 700° 600° 550°



1-43 the studio:

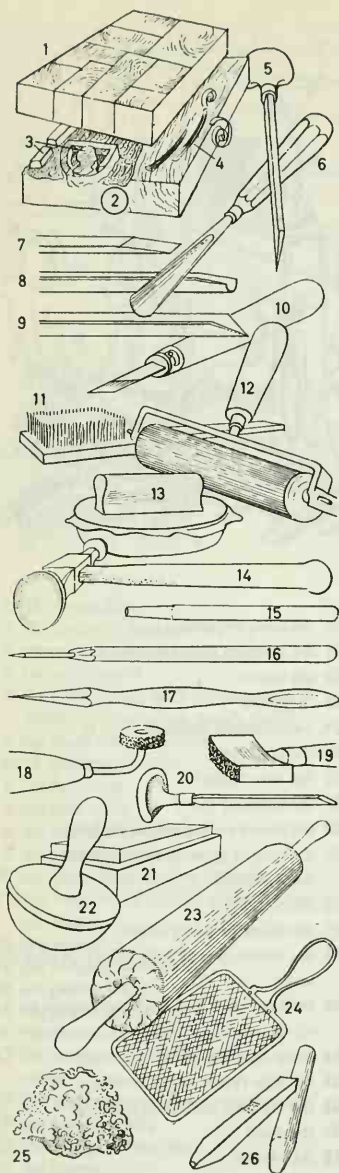
- 1 the studio skylight
- 2 the painter, an artist
- 3 the studio easel
- 4 the chalk sketch with the picture in outline (composition, rough draft)
- 5 the chalk pencil (crayon)
- 6-19 painting utensils:
 - 6 the flat brush
 - 7 the hair brush
 - 8 the round brush (stencil)
 - 9 the priming brush
 - 10 the paint (colour, *Am.* color) box:
 - 11 the tube of oil colour (*Am.* color; oil paint)
 - 12 the varnish;
 - 13 the thinner (thinners)
 - 14 the palette knife
 - 15 the painting spatula
 - 16 the charcoal pencil
 - 17 the tempera (gouache) colour (*Am.* color)
 - 18 the water colour (*Am.* water color)
 - 19 the pastel pencil;
- 20 the wedged stretcher
- 21 the canvas
- 22 the piece of cardboard with the painting surface
- 23 the wooden board
- 24 the wood-fibre (*Am.* wood fiber) board (pulp board)
- 25 the painting table
- 26 the folding (collapsible, sketching) easel
- 27 the still life group
- 28 the hand palette:
- 29 the palette dipper;
- 30 the platform
- 31 the lay figure (manikin, mannequin)
- 32 the nude model (nude life model, nude)
- 33 the drapery
- 34 the drawing donkey
- 35 the sketching (drawing) block (*Am.* sketchblock, draft pad)
- 36 the study in oil
- 37 the mosaic (tessellation)
- 38 the mosaic figure
- 39 the mosaic tesserae
- 40 the fresco (mural, mural painting)
- 41 the graffito drawing (sgraffito drawing)
- 42 the plaster (glazing)
- 43 the cartoon



Engl. modeller, modelling = Am. modeler, modeling

- 1 the sculptor
- 2 the proportional dividers or compass
- 3 the calipers
- 4 the plaster model, a plaster cast
- 5 the block of stone (raw stone)
- 6 the modeller (modeller in clay)
- 7 the clay figure
- 8 the roll of clay, a modelling (plastic) substance
- 9 the modelling stand
- 10 the modelling spatula
- 11 the wire modelling tool
- 12 the beating wood
- 13 the claw tool
- 14 the bull set
- 15 the stippling iron (point)
- 16 the iron-headed hammer
- 17 the gouge
- 18 the spoon chisel (bent chisel)
- 19 the corner chisel, a ripping chisel

- 20 the straight parting tool
- 21 the wooden mallet (mallet)
- 22 the frame:
- 23 the stand
- 24 the armature support
- 25 the armature;
- 26 the wax model
- 27 the block of wood
- 28 the wood-carver (wood sculptor)
- 29 the sack of gypsum powder (gypsum, gesso)
- 30 the clay box
- 31 the modelling clay (clay)
- 32 the statue, a sculpture (work of plastic art)
- 33 the low relief (bas relief, basso rilievo or rilievo, anaglyph):
- 34 the modelling board
- 35 the wire frame (wire netting);
- 36 the circular medallion (tondo)
- 37 the mask
- 38 the plaque



1-13 wood-engraving (xylography), a relief, or letterpress, printing process or method:

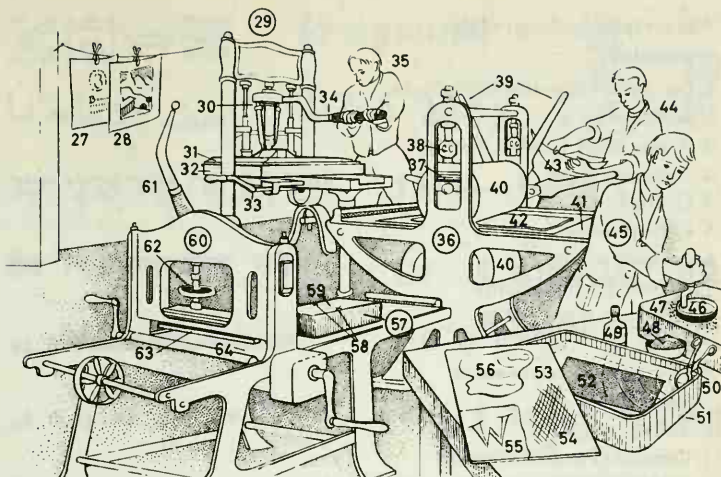
- 1 the end-grain block (white-line block) for wood-engraving, a wood block
- 2 the plank-wood block (black-line block) for wood-cutting, a woodcut:
- 3 the positive engraving
- 4 the plank cut;
- 5 the graver (burin)
- 6 the gouge
- 7 the flat scorer (scalper, scauper)
- 8 the scoop
- 9 the hollow V-tool (parting tool)
- 10 the contour knife
- 11 the brush
- 12 the gelatine roller (brayer)
- 13 the pad;

14-24 copper-engraving (chalcography), an intaglio-printing process or method; *kinds*: etching, mezzotint, aquatint; chalk, or crayon, method:

- 14 the punching hammer
- 15 the punch
- 16 the etching needle
- 17 the burnisher with the scraper
- 18 the roulette
- 19 the rocking tool (rocker, cradle)
- 20 the round-headed graver, a graving tool
- 21 the oilstone
- 22 the dabber (inking ball, tampon)
- 23 the leather roller
- 24 the splatter sieve;

25 and 26 lithography, a planographic, or surface, printing process or method:

- 25 the sponge for moistening the lithographic stone
- 26 the litho crayon (litho chalk), a crayon;



27-64 the graphic studio, a printing office (*Am.* printery):

27 the one-side print

28 the colour print (*Am.* color print; chromolithographic print)

29 the platen machine, a hand press (hand-printing machine):

30 the toggle joint

31 the platen, a press plate

32 the printing forme (printing form)

33 the drawing handle (crank)

34 the impression handle;

35 the printer

36 the copperplate press:

37 the cardboard (pasteboard) distance

38 the pressure regulator [piece

39 the star wheel

40 the cylinder (roller)

41 the bed

42 the felt cloth;

43 the proof

44 the copperplate engraver (*chalcographist, calcographer*)

45 the lithographer grinding the stone:

46 the grinding disk or disc (grinding stone)

47 the granulation

48 the glass sand;

49 the rubber solution

50 the tongs

51 the etching bath for etching

52 the zinc plate

53 the polished copper plate

54 the cross hatching

55 the etching ground (wax ground)

56 the covering ground (asphalt ground)

57 the lithographic stone (calcareous slate stone, *Am.* shale):

58 the fitting marks (aligning marks, *Am.* alining marks)

59 the printing surface;

60 the lithographic press:

61 the printing lever

62 the pressure screw

63 the scraper

64 the bed (bedplate)

1-20 scripts (writing) of the peoples:

- 1 the ancient Egyptian hieroglyphs, picture writing
- 2 Arabic script (Arabic writing)
- 3 Armenian script
- 4 Georgian script
- 5 Chinese script
- 6 Japanese script
- 7 Hebraic (Hebrew) script
- 8 cuneiform script (wedge script)
- 9 Devanagari (script used in Sanscrit)
- 10 Siamese script
- 11 Tamulic (Tamilian, Tamilic, Tamulian) script
- 12 Tibetan script
- 13 Sinaitic (Sinaic) script
- 14 Phoenician script
- 15 Greek script
- 16 Roman (*rare* : Latin) capitals (capital letters)
- 17 uncial script (uncials)
- 18 Carlovingian (Caroline, Carolingian) minuscule
- 19 runes (runic script)
- 20 Russian script;

21-26 ancient writing tools (writing instruments):

- 21 Indian steel style, a stylus for writing on palm leaves
- 22 ancient Egyptian writing stamp, a reed panicle
- 23 cane pen
- 24 writing brush (writing pencil)
- 25 Roman metal pen
- 26 quill (goose feather)

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𐤀𐤁𐤃𐤄𐤅𐤆𐤇𐤈𐤉𐤊𐤋𐤌𐤍𐤎𐤏𐤐𐤑𐤒𐤓𐤔𐤕𐤖𐤗𐤘𐤙𐤚𐤛𐤜𐤝𐤞𐤟𐤠𐤡𐤢𐤣𐤤𐤥𐤦𐤧𐤨𐤩𐤪𐤫𐤬𐤭𐤮𐤯𐤰𐤱𐤲𐤳𐤴𐤵𐤶𐤷𐤸𐤹𐤺𐤻𐤼𐤽𐤾𐤿𐥀𐥁𐥂𐥃𐥄𐥅𐥆𐥇𐥈𐥉𐥊𐥋𐥌𐥍𐥎𐥏𐥐𐥑𐥒𐥓𐥔𐥕𐥖𐥗𐥘𐥙𐥚𐥛𐥜𐥝𐥞𐥟𐥠𐥡𐥢𐥣𐥤𐥥𐥦𐥧𐥨𐥩𐥪𐥫𐥬𐥭𐥮𐥯𐥰𐥱𐥲𐥳𐥴𐥵𐥶𐥷𐥸𐥹𐥺𐥻𐥼𐥽𐥾𐥿𐧀𐧁𐧂𐧃𐧄𐧅𐧆𐧇𐧈𐧉𐧊𐧋𐧌𐧍𐧎𐧏𐧐𐧑𐧒𐧓𐧔𐧕𐧖𐧗𐧘𐧙𐧚𐧛𐧜𐧝𐧞𐧟𐧠𐧡𐧢𐧣𐧤𐧥𐧦𐧧𐧨𐧩𐧪𐧫𐧬𐧭𐧮𐧯𐧰𐧱𐧲𐧳𐧴𐧵𐧶𐧷𐧸𐧹𐧺𐧻𐧼𐧽𐧾𐧿𐨀𐨁𐨂𐨃𐨄𐨅𐨆𐨇𐨈𐨉𐨊𐨋𐨌𐨍𐨎𐨏𐨐𐨑𐨒𐨓𐨔𐨕𐨖𐨗𐨘𐨙𐨚𐨛𐨜𐨝𐨞𐨟𐨠𐨡𐨢𐨣𐨤𐨥𐨦𐨧𐨨𐨩𐨪𐨫𐨬𐨭𐨮𐨯𐨰𐨱𐨲𐨳𐨴𐨵𐨶𐨷𐨹𐨺𐨸𐨻𐨼𐨽𐨾𐨿𐩀𐩁𐩂𐩃𐩄𐩅𐩆𐩇𐩈𐩉𐩊𐩋𐩌𐩍𐩎𐩏𐩐𐩑𐩒𐩓𐩔𐩕𐩖𐩗𐩘𐩙𐩚𐩛𐩜𐩝𐩞𐩟𐩠𐩡𐩢𐩣𐩤𐩥𐩦𐩧𐩨𐩩𐩪𐩫𐩬𐩭𐩮𐩯𐩰𐩱𐩲𐩳𐩴𐩵𐩶𐩷𐩸𐩹𐩺𐩻𐩼𐩽𐩾𐩿𐪀𐪁𐪂𐪃𐪄𐪅𐪆𐪇𐪈𐪉𐪊𐪋𐪌𐪍𐪎𐪏𐪐𐪑𐪒𐪓𐪔𐪕𐪖𐪗𐪘𐪙𐪚𐪛𐪜𐪝𐪞𐪟𐪠𐪡𐪢𐪣𐪤𐪥𐪦𐪧𐪨𐪩𐪪𐪫𐪬𐪭𐪮𐪯𐪰𐪱𐪲𐪳𐪴𐪵𐪶𐪷𐪸𐪹𐪺𐪻𐪼𐪽𐪾𐪿𐫀𐫁𐫂𐫃𐫄𐫅𐫆𐫇𐫈𐫉𐫊𐫋𐫌𐫍𐫎𐫏𐫐𐫑𐫒𐫓𐫔𐫕𐫖𐫗𐫘𐫙𐫚𐫛𐫜𐫝𐫞𐫟𐫠𐫡𐫢𐫣𐫤𐫦𐫥𐫧𐫨𐫩𐫪𐫫𐫬𐫭𐫮𐫯𐫰𐫱𐫲𐫳𐫴𐫵𐫶𐫷𐫸𐫹𐫺𐫻𐫼𐫽𐫾𐫿𐬀𐬁𐬂𐬃𐬄𐬅𐬆𐬇𐬈𐬉𐬊𐬋𐬌𐬍𐬎𐬏𐬐𐬑𐬒𐬓𐬔𐬕𐬖𐬗𐬘𐬙𐬚𐬛𐬜𐬝𐬞𐬟𐬠𐬡𐬢𐬣𐬤𐬥𐬦𐬧𐬨𐬩𐬪𐬫𐬬𐬭𐬮𐬯𐬰𐬱𐬲𐬳𐬴𐬵𐬶𐬷𐬸𐬹𐬺𐬻𐬼𐬽𐬾𐬿𐭀𐭁𐭂𐭃𐭄𐭅𐭆𐭇𐭈𐭉𐭊𐭋𐭌𐭍𐭎𐭏𐭐𐭑𐭒𐭓𐭔𐭕𐭖𐭗𐭘𐭙𐭚𐭛𐭜𐭝𐭞𐭟𐭠𐭡𐭢𐭣𐭤𐭥𐭦𐭧𐭨𐭩𐭪𐭫𐭬𐭭𐭮𐭯𐭰𐭱𐭲𐭳𐭴𐭵𐭶𐭷𐭸𐭹𐭺𐭻𐭼𐭽𐭾𐭿𐮀𐮁𐮂𐮃𐮄𐮅𐮆𐮇𐮈𐮉𐮊𐮋𐮌𐮍𐮎𐮏𐮐𐮑𐮒𐮓𐮔𐮕𐮖𐮗𐮘𐮙𐮚𐮛𐮜𐮝𐮞𐮟𐮠𐮡𐮢𐮣𐮤𐮥𐮦𐮧𐮨𐮩𐮪𐮫𐮬𐮭𐮮𐮯𐮰𐮱𐮲𐮳𐮴𐮵𐮶𐮷𐮸𐮹𐮺𐮻𐮼𐮽𐮾𐮿𐯀𐯁𐯂𐯃𐯄𐯅𐯆𐯇𐯈𐯉𐯊𐯋𐯌𐯍𐯎𐯏𐯐𐯑𐯒𐯓𐯔𐯕𐯖𐯗𐯘𐯙𐯚𐯛𐯜𐯝𐯞𐯟𐯠𐯡𐯢𐯣𐯤𐯥𐯦𐯧𐯨𐯩𐯪𐯫𐯬𐯭𐯮𐯯𐯰𐯱𐯲𐯳𐯴𐯵𐯶𐯷𐯸𐯹𐯺𐯻𐯼𐯽𐯾𐯿𐰀𐰁𐰂𐰃𐰄𐰅𐰆𐰇𐰈𐰉𐰊𐰋𐰌𐰍𐰎𐰏𐰐𐰑𐰒𐰓𐰔𐰕𐰖𐰗𐰘𐰙𐰚𐰛𐰜𐰝𐰞𐰟𐰠𐰡𐰢𐰣𐰤𐰥𐰦𐰧𐰨𐰩𐰪𐰫𐰬𐰭𐰮𐰯𐰰𐰱𐰲𐰳𐰴𐰵𐰶𐰷𐰸𐰹𐰺𐰻𐰼𐰽𐰾𐰿𐱀𐱁𐱂𐱃𐱄𐱅𐱆𐱇𐱈𐱉𐱊𐱋𐱌𐱍𐱎𐱏𐱐𐱑𐱒𐱓𐱔𐱕𐱖𐱗𐱘𐱙𐱚𐱛𐱜𐱝𐱞𐱟𐱠𐱡𐱢𐱣𐱤𐱥𐱦𐱧𐱨𐱩𐱪𐱫𐱬𐱭𐱮𐱯𐱰𐱱𐱲𐱳𐱴𐱵𐱶𐱷𐱸𐱹𐱺𐱻𐱼𐱽𐱾𐱿𐲀𐲁𐲂𐲃𐲄𐲅𐲆𐲇𐲈𐲉𐲊𐲋𐲌𐲍𐲎𐲏𐲐𐲑𐲒𐲓𐲔𐲕𐲖𐲗𐲘𐲙𐲚𐲛𐲜𐲝𐲞𐲟𐲠𐲡𐲢𐲣𐲤𐲥𐲦𐲧𐲨𐲩𐲪𐲫𐲬𐲭𐲮𐲯𐲰𐲱𐲲𐲳𐲴𐲵𐲶𐲷𐲸𐲹𐲺𐲻𐲼𐲽𐲾𐲿𐳀𐳁𐳂𐳃𐳄𐳅𐳆𐳇𐳈𐳉𐳊𐳋𐳌𐳍𐳎𐳏𐳐𐳑𐳒𐳓𐳔𐳕𐳖𐳗𐳘𐳙𐳚𐳛𐳜𐳝𐳞𐳟𐳠𐳡𐳢𐳣𐳤𐳥𐳦𐳧𐳨𐳩𐳪𐳫𐳬𐳭𐳮𐳯𐳰𐳱𐳲𐳳𐳴𐳵𐳶𐳷𐳸𐳹𐳺𐳻𐳼𐳽𐳾𐳿𐴀𐴁𐴂𐴃𐴄𐴅𐴆𐴇𐴈𐴉𐴊𐴋𐴌𐴍𐴎𐴏𐴐𐴑𐴒𐴓𐴔𐴕𐴖𐴗𐴘𐴙𐴚𐴛𐴜𐴝𐴞𐴟𐴠𐴡𐴢𐴣𐴤𐴥𐴦𐴧𐴨𐴩𐴪𐴫𐴬𐴭𐴮𐴯𐴰𐴱𐴲𐴳𐴴𐴵𐴶𐴷𐴸𐴹𐴺𐴻𐴼𐴽𐴾𐴿𐵀𐵁𐵂𐵃𐵄𐵅𐵆𐵇𐵈𐵉𐵊𐵋𐵌𐵍𐵎𐵏𐵐𐵑𐵒𐵓𐵔𐵕𐵖𐵗𐵘𐵙𐵚𐵛𐵜𐵝𐵞𐵟𐵠𐵡𐵢𐵣𐵤𐵥𐵦𐵧𐵨𐵩𐵪𐵫𐵬𐵭𐵮𐵯𐵰𐵱𐵲𐵳𐵴𐵵𐵶𐵷𐵸𐵹𐵺𐵻𐵼𐵽𐵾𐵿𐶀𐶁𐶂𐶃𐶄𐶅𐶆𐶇𐶈𐶉𐶊𐶋𐶌𐶍𐶎𐶏𐶐𐶑𐶒𐶓𐶔𐶕𐶖𐶗𐶘𐶙𐶚𐶛𐶜𐶝𐶞𐶟𐶠𐶡𐶢𐶣𐶤𐶥𐶦𐶧𐶨𐶩𐶪𐶫𐶬𐶭𐶮𐶯𐶰𐶱𐶲𐶳𐶴𐶵𐶶𐶷𐶸𐶹𐶺𐶻𐶼𐶽𐶾𐶿𐷀𐷁𐷂𐷃𐷄𐷅𐷆𐷇𐷈𐷉𐷊𐷋𐷌𐷍𐷎𐷏𐷐𐷑𐷒𐷓𐷔𐷕𐷖𐷗𐷘𐷙𐷚𐷛𐷜𐷝𐷞𐷟𐷠𐷡𐷢𐷣𐷤𐷥𐷦𐷧𐷨𐷩𐷪𐷫𐷬𐷭𐷮𐷯𐷰𐷱𐷲𐷳𐷴𐷵𐷶𐷷𐷸𐷹𐷺𐷻𐷼𐷽𐷾𐷿𐸀𐸁𐸂𐸃𐸄𐸅𐸆𐸇𐸈𐸉𐸊𐸋𐸌𐸍𐸎𐸏𐸐𐸑𐸒𐸓𐸔𐸕𐸖𐸗𐸘𐸙𐸚𐸛𐸜𐸝𐸞𐸟𐸠𐸡𐸢𐸣𐸤𐸥𐸦𐸧𐸨𐸩𐸪𐸫𐸬𐸭𐸮𐸯𐸰𐸱𐸲𐸳𐸴𐸵𐸶𐸷𐸸𐸹𐸺𐸻𐸼𐸽𐸾𐸿𐹀𐹁𐹂𐹃𐹄𐹅𐹆𐹇𐹈𐹉𐹊𐹋𐹌𐹍𐹎𐹏𐹐𐹑𐹒𐹓𐹔𐹕𐹖𐹗𐹘𐹙𐹚𐹛𐹜𐹝𐹞𐹟𐹠𐹡𐹢𐹣𐹤𐹥𐹦𐹧𐹨𐹩𐹪𐹫𐹬𐹭𐹮𐹯𐹰𐹱𐹲𐹳𐹴𐹵𐹶𐹷𐹸𐹹𐹺𐹻𐹼𐹽𐹾𐹿𐺀𐺁𐺂𐺃𐺄𐺅𐺆𐺇𐺈𐺉𐺊𐺋𐺌𐺍𐺎𐺏𐺐𐺑𐺒𐺓𐺔𐺕𐺖𐺗𐺘𐺙𐺚𐺛𐺜𐺝𐺞𐺟𐺠𐺡𐺢𐺣𐺤𐺥𐺦𐺧𐺨𐺩𐺪𐺫𐺬𐺭𐺮𐺯𐺰𐺱𐺲𐺳𐺴𐺵𐺶𐺷𐺸𐺹𐺺𐺻𐺼𐺽𐺾𐺿𐻀𐻁𐻂𐻃𐻄𐻅𐻆𐻇𐻈𐻉𐻊𐻋𐻌𐻍𐻎𐻏𐻐𐻑𐻒𐻓𐻔𐻕𐻖𐻗𐻘𐻙𐻚𐻛𐻜𐻝𐻞𐻟𐻠𐻡𐻢𐻣𐻤𐻥𐻦𐻧𐻨𐻩𐻪𐻫𐻬𐻭𐻮𐻯𐻰𐻱𐻲𐻳𐻴𐻵𐻶𐻷𐻸𐻹𐻺𐻻𐻼𐻽𐻾𐻿𐼀𐼁𐼂𐼃𐼄𐼅𐼆𐼇𐼈𐼉𐼊𐼋𐼌𐼍𐼎𐼏𐼐𐼑𐼒𐼓𐼔𐼕𐼖𐼗𐼘𐼙𐼚𐼛𐼜𐼝𐼞𐼟𐼠𐼡𐼢𐼣𐼤𐼥𐼦𐼧𐼨𐼩𐼪𐼫𐼬𐼭𐼮𐼯𐼰𐼱𐼲𐼳𐼴𐼵𐼶𐼷𐼸𐼹𐼺𐼻𐼼𐼽𐼾𐼿𐽀𐽁𐽂𐽃𐽄𐽅𐽆𐽇𐽋𐽍𐽎𐽏𐽐𐽈𐽉𐽊𐽌𐽑𐽒𐽓𐽔𐽕𐽖𐽗𐽘𐽙𐽚𐽛𐽜𐽝𐽞𐽟𐽠𐽡𐽢𐽣𐽤𐽥𐽦𐽧𐽨𐽩𐽪𐽫𐽬𐽭𐽮𐽯𐽰𐽱𐽲𐽳𐽴𐽵𐽶𐽷𐽸𐽹𐽺𐽻𐽼𐽽𐽾𐽿𐾀𐾁𐾃𐾅𐾂𐾄𐾆𐾇𐾈𐾉𐾊𐾋𐾌𐾍𐾎𐾏𐾐𐾑𐾒𐾓𐾔𐾕𐾖𐾗𐾘𐾙𐾚𐾛𐾜𐾝𐾞𐾟𐾠𐾡𐾢𐾣𐾤𐾥𐾦𐾧𐾨𐾩𐾪𐾫𐾬𐾭𐾮𐾯𐾰𐾱𐾲𐾳𐾴𐾵𐾶𐾷𐾸𐾹𐾺𐾻𐾼𐾽𐾾𐾿𐿀𐿁𐿂𐿃𐿄𐿅𐿆𐿇𐿈𐿉𐿊𐿋𐿌𐿍𐿎𐿏𐿐𐿑𐿒𐿓𐿔𐿕𐿖𐿗𐿘𐿙𐿚𐿛𐿜𐿝𐿞𐿟𐿠𐿡𐿢𐿣𐿤𐿥𐿦𐿧𐿨𐿩𐿪𐿫𐿬𐿭𐿮𐿯𐿰𐿱𐿲𐿳𐿴𐿵𐿶𐿷𐿸𐿹𐿺𐿻𐿼𐿽𐿾𐿿𐀀𐀁𐀂𐀃𐀄𐀅𐀆𐀇𐀈𐀉𐀊𐀋𐀌𐀍𐀎𐀏𐀐𐀑𐀒𐀓𐀔𐀕𐀖𐀗𐀘𐀙𐀚𐀛𐀜𐀝𐀞𐀟𐀠𐀡𐀢𐀣𐀤𐀥𐀦𐀧𐀨𐀩𐀪𐀫𐀬𐀭𐀮𐀯𐀰𐀱𐀲𐀳𐀴𐀵𐀶𐀷𐀸𐀹𐀺𐀻𐀼𐀽𐀾𐀿𐁀𐁁𐁂𐁃𐁄𐁅𐁆𐁇𐁈𐁉𐁊𐁋𐁌𐁍𐁎𐁏𐁐𐁑𐁒𐁓𐁔𐁕𐁖𐁗𐁘𐁙𐁚𐁛𐁜𐁝𐁞𐁟𐁠𐁡𐁢𐁣𐁤𐁥𐁦𐁧𐁨𐁩𐁪𐁫𐁬𐁭𐁮𐁯𐁰𐁱𐁲𐁳𐁴𐁵𐁶𐁷𐁸𐁹𐁺𐁻𐁼𐁽𐁾𐁿𐂀𐂁𐂂𐂃𐂄𐂅𐂆𐂇𐂈𐂉𐂊𐂋𐂌𐂍𐂎𐂏𐂐𐂑𐂒𐂓𐂔𐂕𐂖𐂗𐂘𐂙𐂚𐂛𐂜𐂝𐂞𐂟𐂠𐂡𐂢𐂣𐂤𐂥𐂦𐂧𐂨𐂩𐂪𐂫𐂬𐂭𐂮𐂯𐂰𐂱𐂲𐂳𐂴𐂵𐂶𐂷𐂸𐂹𐂺𐂻𐂼𐂽𐂾𐂿𐃀𐃁𐃂𐃃𐃄𐃅𐃆𐃇𐃈𐃉𐃊𐃋𐃌𐃍𐃎𐃏𐃐𐃑𐃒𐃓𐃔𐃕𐃖𐃗𐃘𐃙𐃚𐃛𐃜𐃝𐃞𐃟𐃠𐃡𐃢𐃣𐃤𐃥𐃦𐃧𐃨𐃩𐃪𐃫𐃬𐃭𐃮𐃯𐃰𐃱𐃲𐃳𐃴𐃵𐃶𐃷𐃸𐃹𐃺𐃻𐃼𐃽𐃾𐃿𐄀𐄁𐄂𐄃𐄄𐄅𐄆𐄇𐄈𐄉𐄊𐄋𐄌𐄍𐄎𐄏𐄐𐄑𐄒𐄓𐄔𐄕𐄖𐄗𐄘𐄙𐄚𐄛𐄜𐄝𐄞𐄟𐄠𐄡𐄢𐄣𐄤𐄥𐄦𐄧𐄨𐄩𐄪𐄫𐄬𐄭𐄮𐄯𐄰𐄱𐄲𐄳𐄴𐄵𐄶𐄷𐄸𐄹𐄺𐄻𐄼𐄽𐄾𐄿𐅀𐅁𐅂𐅃𐅄𐅅𐅆𐅇𐅈𐅉𐅊𐅋𐅌𐅍𐅎𐅏𐅐𐅑𐅒𐅓𐅔𐅕𐅖𐅗𐅘𐅙𐅚𐅛𐅜𐅝𐅞𐅟𐅠𐅡𐅢𐅣𐅤𐅥𐅦𐅧𐅨𐅩𐅪𐅫𐅬𐅭𐅮𐅯𐅰𐅱𐅲𐅳𐅴𐅵𐅶𐅷𐅸𐅹𐅺𐅻𐅼𐅽𐅾𐅿𐆀𐆁𐆂𐆃𐆄𐆅𐆆𐆇𐆈𐆉𐆊𐆋𐆌𐆍𐆎𐆏𐆐𐆑𐆒𐆓𐆔𐆕𐆖𐆗𐆘𐆙𐆚𐆛𐆜𐆝𐆞𐆟𐆠𐆡𐆢𐆣𐆤𐆥𐆦𐆧𐆨𐆩𐆪𐆫𐆬𐆭𐆮𐆯𐆰𐆱𐆲𐆳𐆴𐆵𐆶𐆷𐆸𐆹𐆺𐆻𐆼𐆽𐆾𐆿𐇀𐇁𐇂𐇃𐇄𐇅𐇆𐇇𐇈𐇉𐇊𐇋𐇌𐇍𐇎𐇏𐇐𐇑𐇒𐇓𐇔𐇕𐇖𐇗𐇘𐇙𐇚𐇛𐇜𐇝𐇞𐇟𐇠𐇡𐇢𐇣𐇤𐇥𐇦𐇧𐇨𐇩𐇪𐇫𐇬𐇭𐇮𐇯𐇰𐇱𐇲𐇳𐇴𐇵𐇶𐇷𐇸𐇹𐇺𐇻𐇼𐇽𐇾𐇿𐈀𐈁𐈂𐈃𐈄𐈅𐈆𐈇𐈈𐈉𐈊𐈋𐈌𐈍𐈎𐈏𐈐𐈑𐈒𐈓𐈔𐈕𐈖𐈗𐈘𐈙𐈚𐈛𐈜𐈝𐈞𐈟𐈠𐈡𐈢𐈣𐈤𐈥𐈦𐈧𐈨𐈩𐈪𐈫𐈬𐈭𐈮𐈯𐈰𐈱𐈲𐈳𐈴𐈵𐈶𐈷𐈸𐈹𐈺𐈻𐈼𐈽𐈾𐈿𐉀𐉁𐉂𐉃𐉄𐉅𐉆𐉇𐉈𐉉𐉊𐉋𐉌𐉍𐉎𐉏𐉐𐉑𐉒𐉓𐉔𐉕𐉖𐉗𐉘𐉙𐉚𐉛𐉜𐉝𐉞𐉟𐉠𐉡𐉢𐉣𐉤𐉥𐉦𐉧𐉨𐉩𐉪𐉫𐉬𐉭𐉮𐉯𐉰𐉱𐉲𐉳𐉴𐉵𐉶𐉷𐉸𐉹𐉺𐉻𐉼𐉽𐉾𐉿𐊀𐊁𐊂𐊃𐊄𐊅𐊆𐊇𐊈𐊉𐊊𐊋𐊌𐊍𐊎𐊏𐊐𐊑𐊒𐊓𐊔𐊕𐊖𐊗𐊘𐊙𐊚𐊛𐊜𐊝𐊞𐊟𐊠𐊡𐊢𐊣𐊤𐊥𐊦𐊧𐊨𐊩𐊪𐊫𐊬𐊭𐊮𐊯𐊰𐊱𐊲𐊳𐊴𐊵𐊶𐊷𐊸𐊹𐊺𐊻𐊼𐊽𐊾𐊿𐋀𐋁𐋂𐋃𐋄𐋅𐋆𐋇𐋈𐋉𐋊𐋋𐋌𐋍𐋎𐋏𐋐𐋑𐋒𐋓𐋔𐋕𐋖𐋗𐋘𐋙𐋚𐋛𐋜𐋝𐋞𐋟𐋠𐋡𐋢𐋣𐋤𐋥𐋦𐋧𐋨𐋩𐋪𐋫𐋬𐋭𐋮𐋯𐋰𐋱𐋲𐋳𐋴𐋵𐋶𐋷𐋸𐋹𐋺𐋻𐋼𐋽𐋾𐋿𐌀𐌁𐌂𐌃𐌄𐌅𐌆𐌇𐌈𐌉𐌊𐌋𐌌𐌍𐌎𐌏𐌐𐌑𐌒𐌓𐌔𐌕𐌖𐌗𐌘𐌙𐌚𐌛𐌜𐌝𐌞𐌟𐌠𐌡𐌢𐌣𐌤𐌥𐌦𐌧𐌨𐌩𐌪𐌫𐌬𐌭𐌮𐌯𐌰𐌱𐌲𐌳𐌴𐌵𐌶𐌷𐌸𐌹𐌺𐌻𐌼𐌽𐌾𐌿𐍀𐍁𐍂𐍃𐍄𐍅𐍆𐍇𐍈𐍉𐍊𐍋𐍌𐍍𐍎𐍏𐍐𐍑𐍒𐍓𐍔𐍕𐍖𐍗𐍘𐍙𐍚𐍛𐍜𐍝𐍞𐍟𐍠𐍡𐍢𐍣𐍤𐍥𐍦𐍧𐍨𐍩𐍪𐍫𐍬𐍭𐍮𐍯𐍰𐍱𐍲𐍳𐍴𐍵𐍶𐍷𐍸𐍹𐍺𐍻𐍼𐍽𐍾𐍿𐎀𐎁𐎂𐎃𐎄𐎅𐎆𐎇𐎈𐎉𐎊𐎋𐎌𐎍𐎎𐎏𐎐𐎑𐎒𐎓𐎔𐎕𐎖𐎗𐎘𐎙𐎚𐎛𐎜𐎝𐎞𐎟𐎠𐎡𐎢𐎣𐎤𐎥𐎦𐎧𐎨𐎩𐎪𐎫𐎬𐎭𐎮𐎯𐎰𐎱𐎲𐎳𐎴𐎵𐎶𐎷𐎸𐎹𐎺𐎻𐎼𐎽𐎾𐎿𐏀𐏁𐏂𐏃𐏄𐏅𐏆𐏇𐏈𐏉𐏊𐏋𐏌𐏍𐏎𐏏𐏐𐏑𐏒𐏓𐏔𐏕𐏖𐏗𐏘𐏙𐏚𐏛𐏜𐏝𐏞𐏟𐏠𐏡𐏢𐏣𐏤𐏥𐏦𐏧𐏨𐏩𐏪𐏫𐏬𐏭𐏮𐏯𐏰𐏱𐏲𐏳𐏴𐏵𐏶𐏷𐏸𐏹𐏺𐏻𐏼𐏽𐏾𐏿𐐀𐐁𐐂𐐃𐐄𐐅𐐆𐐇𐐈𐐉𐐊𐐋𐐌𐐍𐐎𐐏𐐐𐐑𐐒𐐓𐐔𐐕𐐖𐐗𐐘𐐙𐐚𐐛𐐜𐐝𐐞𐐟𐐠𐐡𐐢𐐣𐐤𐐥𐐦𐐧𐐨𐐩𐐪𐐫𐐬𐐭𐐮𐐯𐐰𐐱𐐲𐐳𐐴𐐵𐐶𐐷𐐸𐐹𐐺𐐻𐐼𐐽𐐾𐐿𐑀𐑁𐑂𐑃𐑄𐑅𐑆𐑇𐑈𐑉𐑊𐑋𐑌𐑍𐑎𐑏𐑐𐑑𐑒𐑓𐑔𐑕𐑖𐑗𐑘𐑙𐑚𐑛𐑜𐑝𐑞𐑟𐑠𐑡𐑢𐑣𐑤𐑥𐑦𐑧𐑨𐑩𐑪𐑫𐑬𐑭𐑮𐑯𐑰𐑱𐑲𐑳𐑴𐑵𐑶𐑷𐑸𐑹𐑺𐑻𐑼𐑽𐑾𐑿𐒀𐒁𐒂𐒃𐒄𐒅𐒆𐒇𐒈𐒉𐒊𐒋𐒌𐒍𐒎𐒏𐒐𐒑𐒒𐒓𐒔𐒕𐒖𐒗𐒘𐒙𐒚𐒛𐒜𐒝𐒞𐒟𐒠𐒡𐒢𐒣𐒤𐒥𐒦𐒧𐒨𐒩𐒪𐒫𐒬𐒭𐒮𐒯𐒰𐒱𐒲𐒳𐒴𐒵𐒶𐒷𐒸𐒹𐒺𐒻

325 Script (Types) II

- 1-15 kinds of types** (of printed letters):
- 1 Gothic type (German text, black-letter, blackletter, black letter, old English)
 - 2 Schwabacher type
 - 3 German print (black-letter)
 - 4 Renaissance Roman (Renaissance Latin, old style)
 - 5 pre-classicistic Latin or Roman (Baroque Latin, Baroque Roman)
 - 6 classicistic Latin (classicistic Roman)
 - 7 sanserif (sanserif print)
 - 8 Egyptian (Clarendon type)
 - 9 type-script (typewriting)
 - 10 English handwriting
 - 11 German handwriting
 - 12 Latin handwriting
 - 13 shorthand (stenography)
 - 14 phonetic writing (phonetic transcription)
 - 15 Braille;
- 16-29 punctuation marks** (punctuation signs):
- 16 the full stop (period)
 - 17 the colon
 - 18 the comma
 - 19 the semicolon
 - 20 the question mark (mark of interrogation, *Am.* interrogation point)
 - 21 the exclamation mark (mark of exclamation, *Am.* exclamation point)
 - 22 the apostrophe
 - 23 the dash
 - 24 the round brackets (round parentheses, round parenthesis)
 - 25 the square brackets (square parentheses, square parenthesis)
 - 26 the double quotation marks [*in Engl.* “. . .”] (inverted commas)
 - 27 the single quotation marks (*Am.* French quotation marks)
 - 28 the hyphen
 - 29 the ellipsis;
- 30-35 accents of stress and pronunciation** (stress accents and pronunciation accents):
- 30 the acute accent
 - 31 the grave accent (grave)
 - 32 the circumflex
 - 33 the cedilla [under c]
 - 34 the diaeresis (*Am.* dieresis) [over e]
 - 35 the tilde [over n];
 - 36 the section mark
- 37 the newspaper:**
- 38 the newspaper heading (heading)
 - 39 the imprint
 - 40 the leading article (editorial article, leader, editorial)
 - 41 the head rules
 - 42 the headline (*Am.*, across the entire page: banner, banner head, banner line; *sensational*: scarehead, beat)
 - 43 the column line
 - 44 the newspaper photograph (press photo)
 - 45 the picture caption
 - 46 the column heading (subheading, cross heading)
 - 47 the column
 - 48 the cartoon
 - 49 the sports news
 - 50 the feuilleton (light literature)
 - 51 and 52 advertisements (*fam.* ads):
 - 51 births, marriages, and deaths
 - 52 the commercial advertisement, a firm's advertisement;
 - 53 news in brief

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①	I	II	III	IV	V	VI	VII	VIII	IX	X
②	1	2	3	4	5	6	7	8	9	10

①	XX	XXX	XL	L	LX	LXX	LXXX	XC	IC	C
②	20	30	40	50	60	70	80	90	99	100

①	CC	CCC	CD	D	DC	DCC	DCCC	CM	XM	M
②	200	300	400	500	600	700	800	900	990	1000

③ 9658 ④ 5 kg ⑤ 2 ⑥ 2. ⑦ +5 ⑧ -5

1-26 arithmetic,

1-22 the number:

- | | |
|---|---|
| 1 the Roman numerals | 11 even numbers |
| 2 the Arabic numerals | 12 odd numbers |
| 3 the abstract number, a four-figure number (number with four digits), [8 = the unit, 5 = the ten, 6 = the hundred, 9 = the thousand] | 13 prime numbers |
| 4 the concrete number | 14 the complex number [3 = the real number, $2\sqrt{-1}$ = the imaginary number] |
| 5 the cardinal number | 15 and 16 vulgar fractions: |
| 6 the ordinal number (ordinal) | 15 the proper fraction [2 = the numerator, the sign of division (horizontal line), 3 = the denominator] |
| 7 the positive number [with the positive sign] | 16 the improper fraction, at the same time the reciprocal of 15 (the fraction inverted); |
| 8 the negative number [with the negative sign] | 17 the compound fraction (complex fraction) |
| 9 algebraic symbols | |
| 10 the mixed number [3 = the whole | |

number (integer), $\frac{1}{3}$ = the fraction (fractional quantity)!

$$\textcircled{9} a, b, c \dots \quad \textcircled{10} 3\frac{1}{3} \quad \textcircled{11} 2, 4, 6, 8 \quad \textcircled{12} 1, 3, 5, 7$$

$$\textcircled{13} 3, 5, 7, 11 \quad \textcircled{14} 3 + 2\sqrt{-1} \quad \textcircled{15} \frac{2}{3} \quad \textcircled{16} \frac{3}{2}$$

$$\textcircled{17} \frac{\frac{5}{6}}{\frac{3}{4}} \quad \textcircled{18} \frac{12}{4} \quad \textcircled{19} \frac{4}{5} + \frac{2}{7} = \frac{38}{35} \quad \textcircled{20} 0,357$$

$$\textcircled{21} 0,6666\dots = 0,\overline{6} \quad \textcircled{22} \quad \textcircled{23} 3 + 2 = 5$$

$$\textcircled{24} 3 - 2 = 1 \quad \textcircled{25} 3 \cdot 2 = 6 \quad \textcircled{26} 6 : 2 = 3$$

18 the improper fraction [when reduced, resulting in a whole number]

19 fractions of different denominations [35 = the common denominator]

20 the proper decimal fraction with decimal point [in Engl. 0.357] and decimal places [3 = the tenths, 5 = the hundredths, 7 = the thousandths]

21 the recurring (non-terminating, repeating) decimal fraction

22 the recurring (non-terminating) decimal [in Engl. $0.\dot{6}$];

23-26 the fundamental arithmetical operations (first rules of arithmetic):

23 addition (adding); [3 and 2 = the terms of the sum, + = the plus sign, 5 = the sum (result)]

24 subtraction (subtracting); [3 = the minuend, — = the minus sign, 2 = the subtrahend, 1 = the remainder (difference)]

25 multiplication (multiplying); [3 = the multiplicand, · = the multiplication sign (*in Engl.* ×), 2 = the multiplier, 6 = the product]

26 division (dividing); [6 = the dividend, : = the division sign, 2 = the divisor, 3 = the quotient]

① $3^2 = 9$

② $\sqrt[3]{8} = 2$

③ $\sqrt{4} = 2$

④ $3x + 2 = 12$

⑤ $4a + 6ab - 2ac = 2a(2 + 3b - c)$

⑥

${}^{10}\log 3 = 0,4771$

$\text{oder } \lg 3 = 0,4771$

⑦
$$\frac{k[\pounds 1000] \cdot p[5\%] \cdot t[2 \text{ Years}]}{100} = z[\pounds 100]$$

1-24 arithmetics,**1-10 advanced arithmetical operations:**

- 1 the involution (involving);
[three squared (second power of three) = the power, 3 = the base, 2 = the index (exponent), 9 = the value of the power]
- 2 the evolution (extraction of root, *Am.* taking a root); [cube-root of eight = the cube-root, 8 = the radical quantity (radical), 3 = the index (degree) of the root, $\sqrt{}$ = the radical sign (radical), 2 = the value of the root]
- 3 the square root
- 4 and 5 algebra:

4 the simple equation; [3, 2 = the coefficients, x = the unknown quantity]

5 the identical equation; [a, b, c = the algebraic symbols];

6 the logarithmic calculation (taking the logarithm, log); [log = the logarithm sign, 3 = the number whose logarithm is required, 10 = the base, 0 = the characteristic, 4771 = the mantissa, 0.4771 = the logarithm]

7 the simple interest formula; [k = the principal (original sum invested), p = the rate of interest, t = the time, Z = interest (per cent, profit), % = the percentage sign]

$$\begin{array}{l} \textcircled{8} \quad 2 \text{ Years} = \text{£} 50 \\ \quad 4 \text{ Years} = \text{£} x \end{array}$$

$$\textcircled{9} \quad 2 : 50 = 4 : x$$

$$\textcircled{10} \quad x = \text{£} 100$$

$$\textcircled{15} \quad \infty$$

$$\textcircled{16} \quad \equiv$$

$$\textcircled{20} \quad <$$

$$\textcircled{21} \quad \parallel$$

$$\textcircled{11} \quad 2 + 4 + 6 + 8 \dots$$

$$\textcircled{12} \quad 2 + 4 + 8 + 16 + 32 \dots \quad \textcircled{13} \quad \frac{dy}{dx}$$

$$\textcircled{14} \quad \int ax \, dx = a \int x \, dx = \frac{ax^2}{2} + C$$

$$\textcircled{17} \quad \approx$$

$$\textcircled{18} \quad \neq$$

$$\textcircled{19} \quad >$$

$$\textcircled{22} \quad \sim$$

$$\textcircled{23} \quad \angle$$

$$\textcircled{24} \quad \triangle$$

8–10 the rule of three (rule-of-three sum, simple proportion):

8 the statement with the unknown quantity x

9 the equation (conditional equation)

10 the solution;

11–14 higher mathematics:

11 the arithmetical series with the elements 2, 4, 6, 8

12 the geometrical series

13 and 14 the infinitesimal calculus:

13 the differential quotient (derivation); [dx , dy = the differentials, d = the differential sign]

14 the integral (integration);

[x = the variable, C = the integral constant, \int = the integral sign, dx = the differential];

15–24 mathematical symbols:

15 infinity

16 identically equal to (the sign of identity)

17 approximately equal

18 unequal

19 greater than

20 less than

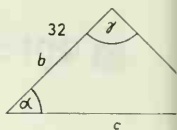
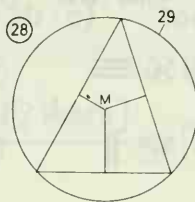
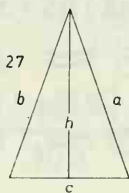
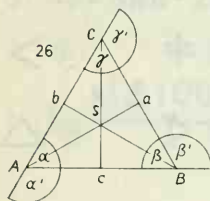
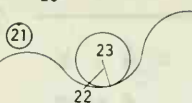
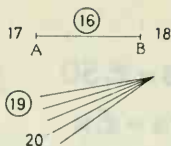
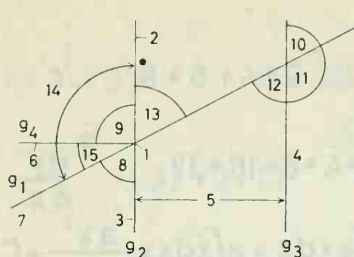
21–24 geometrical symbols:

21 parallel (the sign of parallelism)

22 similar to (the sign of similarity)

23 the angle symbol [*in Engl.* $<$ or \wedge]

24 the triangle symbol



1-58 plane (elementary, Euclidean) geometry,

1-23 point, line, angle:

- 1 the point [point of intersection of g_1 and g_2], the angular point of 8
- 2 and 3 the straight line g_2
- 4 the parallel to g_2
- 5 the distance between the straight lines g_2 and g_3
- 6 the perpendicular (g_4) on g_2
- 7 and 3 the arms of 8
- 8 the angle
- 8 and 13 vertically opposite angles
- 9 the right angle [90°]
- 10 the acute angle
- 11 the obtuse angle
- 10, 11, and 12 the reflex angle
- 12 the corresponding angle to 8 and alternate to 13
- 13, 9, and 15 the straight angle [180°]
- 14 the adjacent angle; here: supplementary angle to 13
- 15 the complementary angle to 8

16 the given straight line AB:

17 the end A

18 the end B;

19 the pencil ($\mathcal{A}m$. beam) of rays:

20 the ray;

21 the curved line:

22 a radius of curvature

23 a centre ($\mathcal{A}m$. center) of curvature:

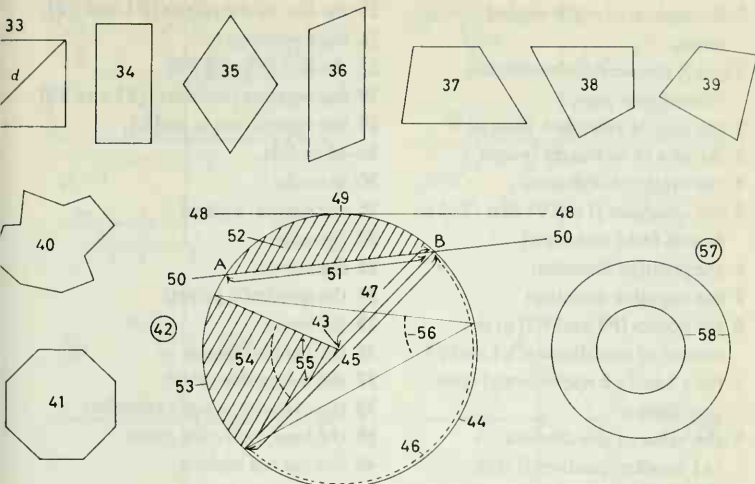
24-58 the plane surfaces,

24 the symmetrical figure:

25 the axis of symmetry;

26-32 plane triangles,

- 26 the equilateral triangle; [A, B, C = the vertices; a, b, c = the sides; α, β, γ = the interior angles; α', β', γ' = the exterior angles; S = the centre ($\mathcal{A}m$. center)]
- 27 the isosceles triangle: [a, b the sides (legs); c the base, h the perpendicular, an altitude]
- 28 the acute-angled triangle with the perpendicular bisectors of the sides:



- 29 the circumscribed circle (circum-circle);
 30 the obtuse-angled triangle with the bisector of the angles;
 31 the inscribed circle;
 32 the right-angled triangle and the trigonometric(al) functions of angles;
 [a, b the catheti; c the hypotenuse; γ the right angle;

$$\frac{a}{c} = \sin \alpha \text{ (sine);}$$

$$\frac{b}{c} = \cos \alpha \text{ (cosine);}$$

$$\frac{a}{b} = \tan \alpha \text{ (tangent);}$$

$$\frac{b}{a} = \cot \alpha \text{ (cotangent)];}$$

33-39 quadrilaterals,

33-36 parallelograms:

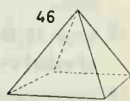
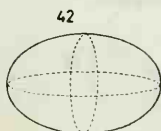
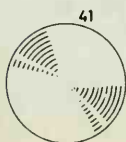
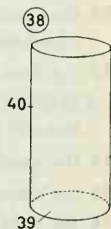
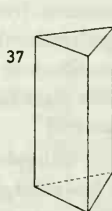
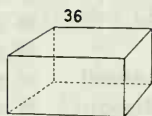
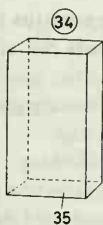
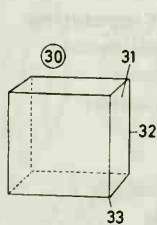
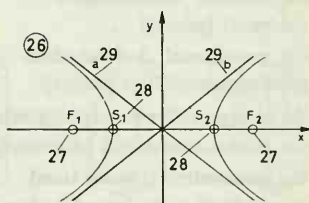
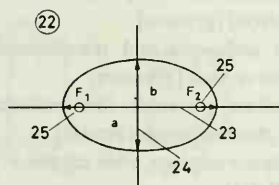
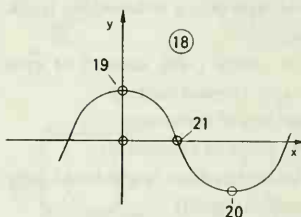
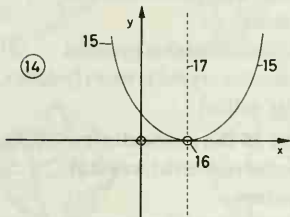
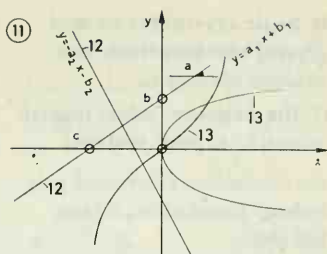
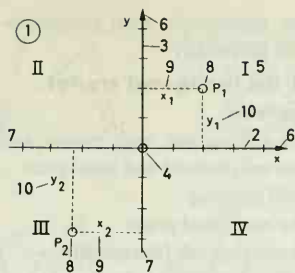
- 33 the square [d = a diagonal]
 34 the rectangle
 35 the rhombus (rhomb, lozenge)
 36 the rhomboid;
 37 the trapezium

- 38 the deltoid (kite)
 39 the irregular quadrilateral;
 40 the polygon
 41 the regular polygon

42 the circle:

- 43 the centre (*Am.* center)
 44 the circumference (periphery)
 45 the diameter
 46 the semicircle (semicircumference, hemicycle)
 47 the radius (r)
 48 the tangent
 49 the point of contact (P)
 50 the secant
 51 the chord AB
 52 the segment
 53 the arc
 54 the sector
 55 the centre angle (*Am.* center angle)
 56 the circumferential angle;
 57 the ring (annulus):
 58 concentric circles

- 1 the system of right-angled coordinates,
- 2 and 3 the axes of coordinates (coordinate axes):
- 2 the axis of abscissae (x-axis)
- 3 the axis of ordinates (y-axis);
- 4 the origin of ordinates
- 5 the quadrant [I to IV: first (1st) to fourth (4th) quadrant]
- 6 the positive direction
- 7 the negative direction
- 8 the points [P1 and P2] in the system of coordinates; x_1 and y_1 [or x_2 and y_2 respectively] their coordinates
- 9 the value of the abscissa [x_1 or x_2 respectively] (the abscisse, abscissa)
- 10 the value of the ordinate [y_1 or y_2 respectively] (the ordinates);
- 11–29 conic sections,
- 11 the curves in the system of coordinates:
- 12 the plane curves [a the ascent of the curve, b the ordinates' intersection of the curve, c the root of curve]
- 13 inflected curves;
- 14 the parabola, a curve of the second degree:
- 15 the branches of the parabola
- 16 the vertex of the parabola
- 17 the axis of the parabola;
- 18 a curve of the third degree:
- 19 the maximum of the curve
- 20 the minimum of the curve
- 21 the point of inflexion (point of inflection);
- 22 the ellipse:
- 23 the transverse axis (major axis)
- 24 the conjugate axis (minor axis)
- 25 the foci of the ellipse [F1 and F2];
- 26 the hyperbola:
- 27 the foci [F1 and F2]
- 28 the vertices (vertexes) [S1 and S2]
- 29 the asymptotes [a and b];
- 30–46 solids,
- 30 the cube:
- 31 the square, a plane
- 32 the edge
- 33 the corner;
- 34 the quadratic prism:
- 35 the base;
- 36 the parallelepiped
- 37 the triangular prism
- 38 the cylinder, a right cylinder:
- 39 the base, a circular plane
- 40 the curved surface;
- 41 the sphere
- 42 the ellipsoid of revolution
- 43 the cone:
- 44 the height of the cone (cone height);
- 45 the truncated cone (frustum of a cone)
- 46 the quadrilateral pyramid



1-26 basic crystal forms and crystal combinations (the structure of crystals),

1-17 the regular (cubic, tesseral, isometric) **crystal system:**

- 1 the tetrahedron (four-faced polyhedron) [tetrahedrite, fahlerz, fahl ore]
- 2 the hexahedron (cube, six-faced polyhedron), a holohedron [rock salt];
- 3 the centre (*Am.* center) of symmetry (crystal centre)
- 4 the axis of symmetry
- 5 the plane of symmetry;
- 6 the octahedron (eight-faced polyhedron) [gold]
- 7 the rhombic dodecahedron (garneto) [garnet]
- 8 the pentagonal dodecahedron (pyritohedron) [iron pyrites]:
- 9 the pentagon (five-sided polygon);
- 10 the triakis-octahedron [diamond]
- 11 the icosahedron (twenty-faced polyhedron), a regular polyhedron
- 12 the icositetrahedron (twenty-four-faced polyhedron) [leucite]
- 13 the hexakis-octahedron (hexoctahedron, forty-eight-faced polyhedron) [diamond]
- 14 the octahedron with cube [galena]:
- 15 the hexagon (six-sided polygon);
- 16 the cube with octahedron [fluor-spar]:
- 17 the octagon (eight-faced polygon);

18 and 19 the tetragonal crystal system:

- 18 the tetragonal bipyramid

- 19 the protoprism with protopyramid [zirconia];

20-22 the hexagonal crystal system:

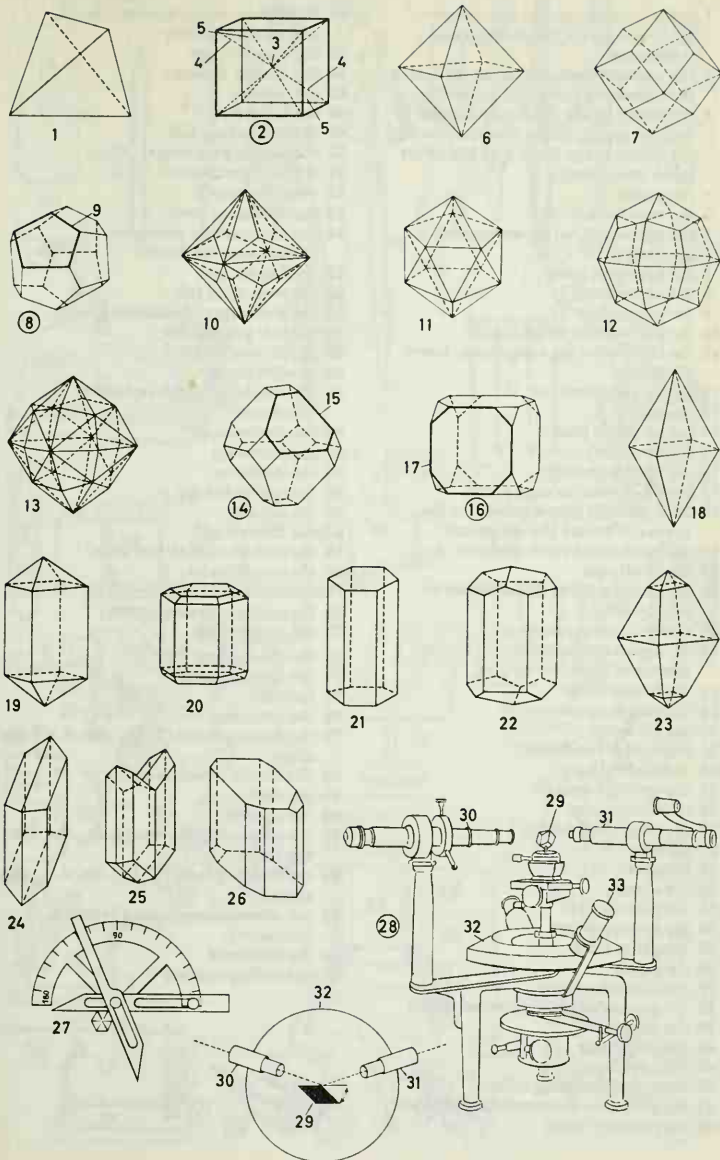
- 20 the protoprism with proto- and deutero pyramid and basal pinacoid [apatite]
- 21 the hexagonal prism
- 22 the hexagonal (ditrigonal) bipyramid with rhombohedron [calcite];
- 23 the orthorhombic pyramid (rhombic crystal system) [sulphur, *Am.* sulfur]

24 and 25 the monoclinic (oblique, monosymmetric) **crystal system:**

- 24 the monoclinic prism with clinopinacoid and hemipyramid (hemihedron) [gypsum]
- 25 the ortho-pinacoid (swallow-tail twin crystal) [gypsum];
- 26 triclinic pinacoids (the triclinic, or anorthic, crystal system) [copper sulphate, *Am.* copper sulfate];

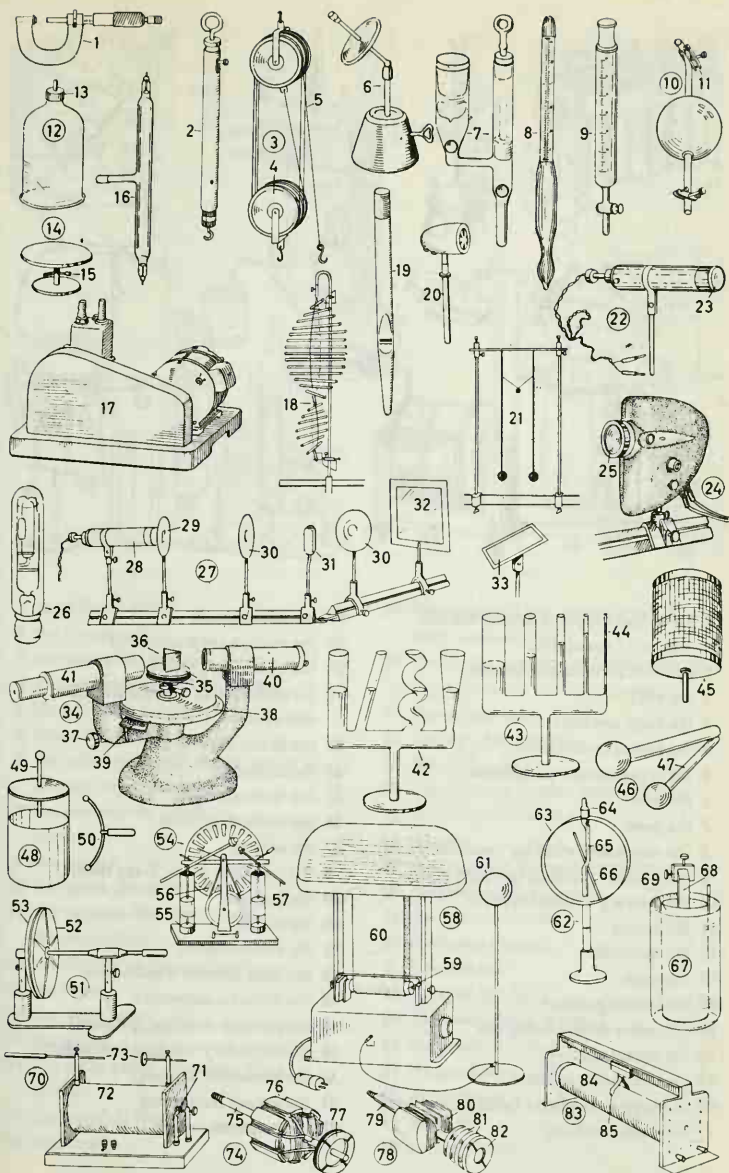
27-33 apparatus for measuring crystals (for crystallometry):

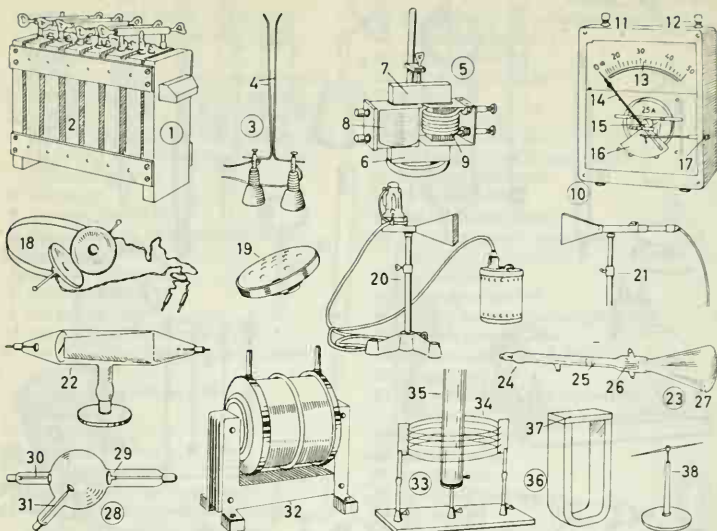
- 27 the contact goniometer
- 28 the reflecting goniometer:
- 29 the crystal
- 30 the collimator
- 31 the observation telescope
- 32 the graduated circle
- 33 the lens for reading the angle of rotation



331 Appliances for Instruction in Physics I

- 1 the micrometer gauge (micrometer screw gauge) for measuring small thicknesses
- 2 the spring dynamometer, an apparatus for measuring force (dynamometer)
- 3 the lifting tackle (lifting blocks, set of pulleys, tackle, lifting block and tackle) for lifting heavy loads with less effort (with less power):
- 4 the pulley
- 5 the rope (tackle fall);
- 6 the gyroscope, an apparatus used in gyroscopy
- 7 the hydraulic press
- 8 the hydrometer
- 9 the gas syringe
- 10 the gas bulb for weighing air:
- 11 the clip (tube clip, tube clamp, screw clip);
- 12 the air pump bell-jar:
- 13 the cap;
- 14 the air pump plate:
- 15 the three-way cock;
- 16 the discharge tube
- 17 the oil-driven vacuum pump
- 18-21 apparatus (apparatuses) for the science of sound (for acoustics):
- 18 the mechanical wave machine
- 19 the labial pipe
- 20 the sound-emitter (loudspeaker or microphone)
- 21 the resonance pendulum;
- 22-41 apparatus (apparatuses) for the science of light (for optics),
- 22 the Reuter lamp:
- 23 the simple condenser;
- 24 the arc lamp:
- 25 the double condenser;
- 26 the spectral lamp
- 27 the optical bench:
- 28 the Reuter lamp
- 29 the stop (diaphragm)
- 30 the lens
- 31 the prism
- 32 the screen;
- 33 the plane mirror
- 34 the spectrometer:
- 35 the prism table
- 36 the prism
- 37 the adjusting screw
- 38 the graduated circle (divided circle)
- 39 the vernier
- 40 the collimator
- 41 the telescope;
- 42 the communicating tubes
- 43 the device for demonstrating capillarity:
- 44 the capillary tube;
- 45-85 apparatus (apparatuses) for the science of electricity:
- 45 the Faraday cage
- 46 the testing sphere:
- 47 the handle;
- 48 the Leyden jar:
- 49 the conducting rod
- 50 the discharging tongs;
- 51 the plate condenser:
- 52 the metal plate
- 53 the insulating plate;
- 54 the electrostatic generator (Wimshurst machine):
- 55 the Leyden jar
- 56 the strip of tin foil
- 57 the discharger (discharging rod);
- 58 the belt generator:
- 59 the driving roller
- 60 the driving belt
- 61 the conductor knob (spherical conductor);
- 62 the electroscope:
- 63 the screening
- 64 the insulator
- 65 the needle-holder
- 66 the needle;
- 67 the Bunsen cell:
- 68 the carbon rod (carbon stick)
- 69 the zinc cylinder;
- 70 the induction coil:
- 71 the contact-breaker (break)
- 72 the transformer
- 73 the spark gap;
- 74 the drum armature:
- 75 the shaft
- 76 the armature
- 77 the direct-current (D. C., *Am. d. c.*) slip rings;
- 78 the shuttle armature (rotor):
- 79 the shaft
- 80 the armature
- 81 the alternating-current (A. C., *Am. a. c.*) slip rings
- 82 the direct-current (D. C., *Am. d. c.*) slip rings;
- 83 the adjustable resistance (variable resistance):
- 84 the resistance
- 85 the sliding contact

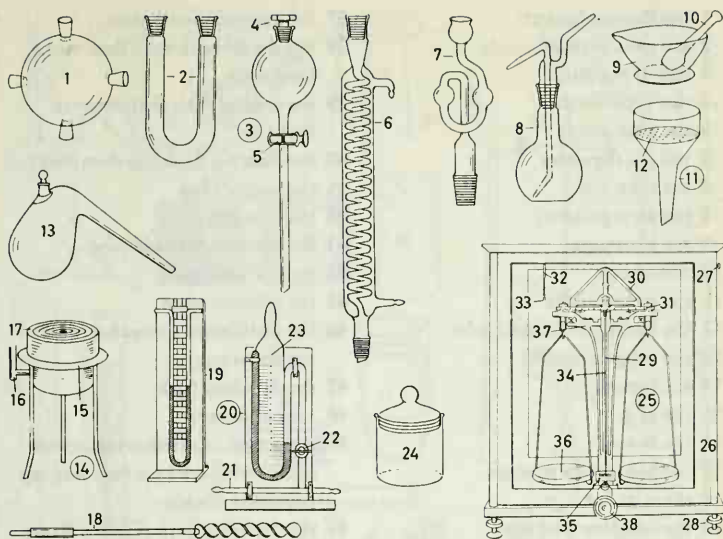




1-35 apparatus (apparatuses) for the science of electricity,

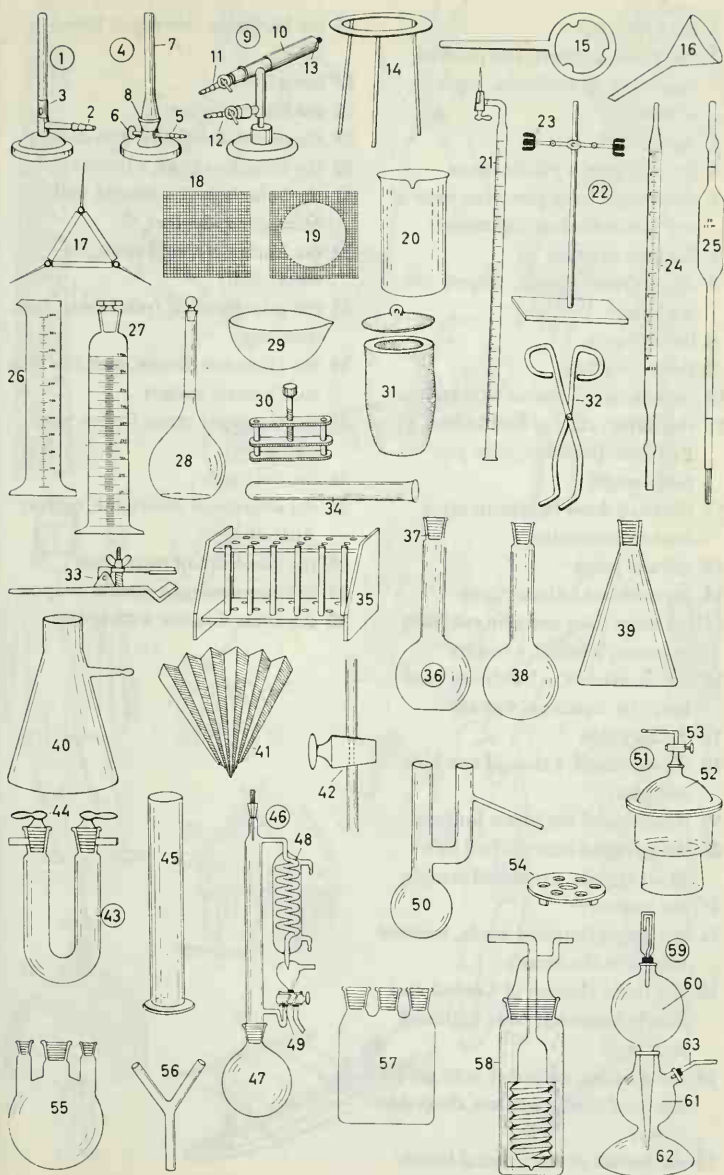
- 1 the steel accumulator battery;
- 2 the cell;
- 3 the horn arrester:
- 4 the horn gap electrodes;
- 5 the experimental transformer:
- 6 the core
- 7 the yoke
- 8 the secondary winding (secondary coil)
- 9 the primary winding (primary coil);
- 10 the moving-coil instrument:
- 11 the casing
- 12 the terminal
- 13 the scale
- 14 the index (pointer)
- 15 the meter with moving coil
- 16 the attenuator
- 17 the zero point adjuster;
- 18 the double earphone (headphone, head receiver, head set)

- 19 the microphone
- 20 the microwave transmitter
- 21 the microwave receiver
- 22 the cathode-ray tube for magnetic deflection
- 23 the Braun tube:
- 24 the cathode
- 25 the Wehnelt tube
- 26 the deflecting plates
- 27 the screen;
- 28 the roentgen tube (X-ray tube):
- 29 the cathode
- 30 the anode
- 31 the anti-cathode;
- 32 the high-tension transformer
- 33 the Tesla transformer:
- 34 the primary winding (primary)
- 35 the secondary winding (secondary);
- 36 the horseshoe magnet:
- 37 the keeper (armature)
- 38 the magnetic needle

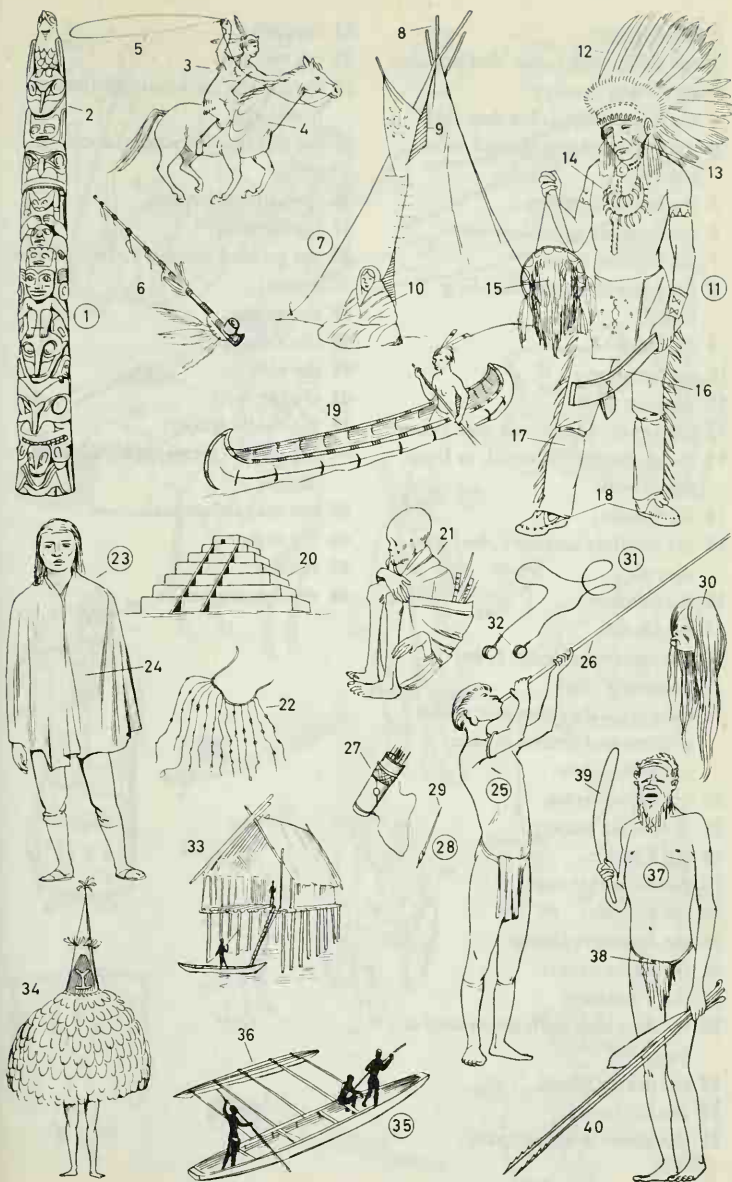


- 1 the Scheidt globe
- 2 the U-tube
- 3 the separating funnel:
- 4 the octagonal ground stopper
- 5 the tap (*Am.* faucet);
- 6 the coiled condenser
- 7 the safety tube (seal on the top of a fermenting apparatus)
- 8 the wash-bottle (washing bottle)
- 9 the mortar
- 10 the pestle (pounder)
- 11 the vacuum filter (suction filter, Büchner filter):
- 12 the filter sieve (sieve plate);
- 13 the retort
- 14 the water bath:
- 15 the tripod
- 16 the water gauge (constant level device)
- 17 the insertion rings;
- 18 the stirrer
- 19 the excess and low-pressure gauge (*Am.* gage; manometer)
- 20 the mirror manometer for measuring small pressures (vacuum gauge):
- 21 the suction tube
- 22 the tap (*Am.* faucet)
- 23 the sliding scale;
- 24 the weighing bottle (weighing jar)
- 25 the analytical balance:
- 26 the case
- 27 the raisable (raiseable) front pane
- 28 the three-point support
- 29 the balance column
- 30 the balance beam
- 31 the slide rail
- 32 the slide-holder
- 33 the slide (sliding weight)
- 34 the pointer (index)
- 35 the graduated scale
- 36 the scale pan
- 37 the stop
- 38 the stop knob

- 1 the Bunsen burner:
- 2 the gas inlet pipe
- 3 the air regulator;
- 4 the Teclu burner:
- 5 the pipe union
- 6 the gas regulator
- 7 the tube
- 8 the air regulator;
- 9 the blowpipe:
- 10 the casing
- 11 the oxygen inlet
- 12 the hydrogen (or gas) inlet
- 13 the oxygen nozzle;
- 14 the tripod
- 15 the ring
- 16 the funnel
- 17 the baked-clay triangle
- 18 the wire net
- 19 the asbestos wire net
- 20 the beaker (heating beaker)
- 21 the burette for measuring liquids
- 22 the burette stand:
- 23 the burette clamp;
- 24 the graduated (calibrated) pipette
- 25 the plain pipette (pipette)
- 26 the graduated measuring glass
or cylinder (graduated measure)
- 27 the stoppered graduated measuring glass
- 28 the volumetric flask
- 29 the evaporating basin (dish) of
porcelain
- 30 the tube clip (tube clamp, screw
clip)
- 31 the baked-clay (fireclay) crucible
with lid
- 32 the crucible tongs
- 33 the clamp
- 34 the test tube
- 35 the test tube stand
- 36 the flat-bottomed flask:
- 37 the ground mouthpiece;
- 38 the round-bottomed flask with
long neck
- 39 the conical flask (Erlenmeyer
flask)
- 40 the filtering flask (vacuum flask)
- 41 the folded filter
- 42 the one-way cock
- 43 the calcium chloride tube:
- 44 the cock stopper;
- 45 the cylinder glass
- 46 the distillation apparatus (distilling
apparatus):
- 47 the distilling flask
- 48 the condenser
- 49 the return tap (reflux tap, return
cock, reflux cock), a two-way tap
(two-way cock);
- 50 the distilling flask (Claisen flask)
- 51 the desiccator (exsiccator):
- 52 the glass bowl lid
- 53 the tap for evacuation
- 54 the desiccator (exsiccator) insert
of porcelain;
- 55 the three-necked flask
- 56 the connecting piece (Y-piece)
- 57 the three-necked bottle
- 58 the gas-washing bottle (wash-
bottle)
- 59 the Kipp apparatus:
- 60 the overflow flask
- 61 the substance container
- 62 the acid container
- 63 the gas outlet



- 1 the totem pole:
- 2 the totem, a carved and painted, figurative, or symbolic, representation;
- 3 the plains Indian
- 4 the mustang, a prairie horse
- 5 the lasso, a long throwing rope of raw hide with running noose
- 6 the pipe of peace
- 7 the wigwam (tepee, teepee, *sim.* wickiup):
- 8 the tent pole
- 9 the smoke flap;
- 10 the squaw, an Indian woman
- 11 the Indian chief, a Red Indian, a Red Man (Redskin, *Am. pop.* copperskin):
- 12 the head dress (war bonnet), a feather decoration
- 13 the war paint
- 14 the necklace of bear claws
- 15 the scalp (hair and skin cut from an enemy's skull), a trophy
- 16 the tomahawk, a battle axe (war axe, *Am.* battle ax, war ax)
- 17 the leggings
- 18 the moccasin, a shoe of raw hide and bast;
- 19 the canoe of the forest Indians
- 20 the pyramid surmounted by a Maya temple, a pyramid-temple
- 21 the mummy
- 22 the quipu (knotted cords, knotted record of the Incas)
- 23 the Indio (Indian of Central and South America); *here* : highland Indian:
- 24 the poncho, a blanket with slit for the head used as armless, cloak-like wrap;
- 25 the Indian of the tropical forest:
- 26 the blowpipe (blowgun, blow-tube);
- 27 the quiver
- 28 the blow gun dart:
- 29 the point of the blow gun dart
- 30 the shrunk head, a trophy;
- 31 the bola (bolas), a missile, and entangling, device:
- 32 the leather-covered stone, or metal, ball;
- 33 the pile dwelling (pile house, lake dwelling)
- 34 the Duk-duk dancer, member of a men's secret society
- 35 the outrigger canoe (canoe with outrigger):
- 36 the outrigger;
- 37 the aboriginal (aborigine, native) Australian:
- 38 the loin cloth of men's hair
- 39 the boomerang, a missile weapon
- 40 the spear thrower with spears

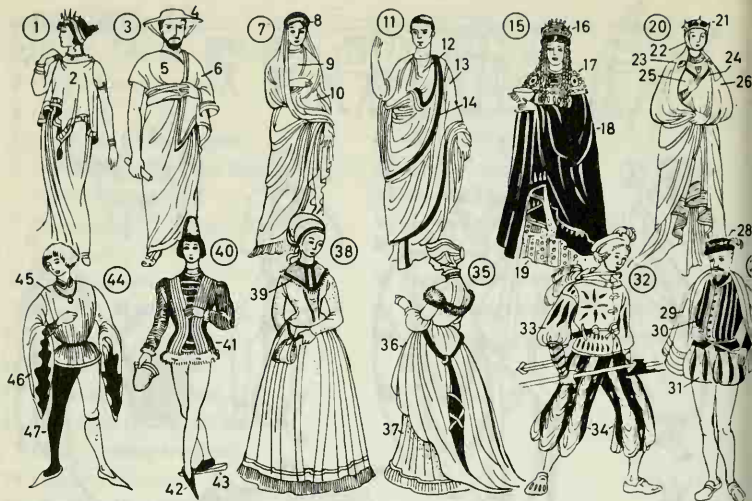


- 1 the Eskimo
- 2 the sledge dog (*Am.* sled dog), an arctic dog (husky)
- 3 the dog-sledge (*Am.* dog-sled)
- 4 the igloo, a dome-shaped snow hut:
- 5 the block of snow
- 6 the entrance tunnel;
- 7 the blubber lamp
- 8 the spear thrower (throwing board)
- 9 the lance
- 10 the harpoon
- 11 the skin float
- 12 the kayak, a light one-man canoe:
- 13 the skin-covered wood, or bone, framework
- 14 the paddle;
- 15 the reindeer harness (*Am.* reindeer rig):
- 16 the reindeer
- 17 the Ostiak
- 18 the passenger sledge (*Am.* passenger sled);
- 19 the yurt, a dwelling tent of the western and central Asiatic nomadic tribes:
- 20 the felt covering
- 21 the smoke outlet;
- 22 the Kirghiz:
- 23 the sheepskin cap;
- 24 the shaman:
- 25 the decorative fringe
- 26 the frame drum;
- 27 the Tibetan:
- 28 the flint-lock with props used as bayonets
- 29 the prayer wheel
- 30 the felt boots;
- 31 the house boat (sampan)
- 32 the junk:
- 33 the mat sail;
- 34 the ricksha (rickshaw, jinricksha, jinrikisha)
- 35 the ricksha (jinricksha) coolie or cooly
- 36 the Chinese lantern
- 37 the samurai:
- 38 the padded armour (*Am.* padded armor);
- 39 the geisha:
- 40 the kimono
- 41 the obi
- 42 the fan;
- 43 the coolie (cooly)
- 44 the creese (crease, kris), a Malay dagger
- 45 the snake-charmer:
- 46 the turban
- 47 the flute
- 48 the dancing snake

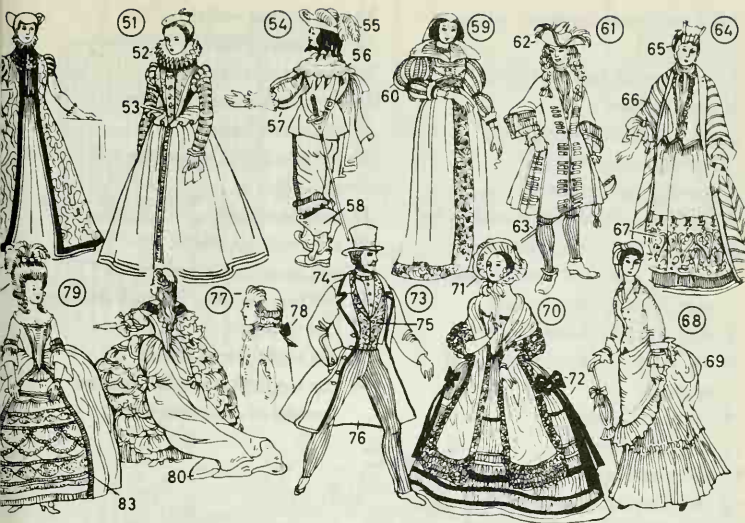


- 1 the camel caravan:
- 2 the riding animal
- 3 the pack animal;
- 4 the oasis:
- 5 the grove of palm trees;
- 6 the Bedouin (Beduin, Bedawi, Bedawee, Bedawy):
- 7 the burnous (burnouse, barnous, bernouse);
- 8 the Masai warrior:
- 9 the style of hair dressing
- 10 the shield
- 11 the painted ox-hide
- 12 the long-bladed spear;
- 13 the negro (black, *coll.* darkey, darky, *contempt.* nigger):
- 14 the dance drum;
- 15 the throwing knife
- 16 the wooden mask
- 17 the figure of an ancestor
- 18 the slit gong [sometimes used for signalling]:
- 19 the drumstick;
- 20 the dug-out, a boat made by hollowing out a tree trunk
- 21 the negro hut
- 22 the negress:
- 23 the lip plug;
- 24 the grinding stone
- 25 the Herero (Ovaherero) woman:
- 26 the leather cap
- 27 the calabash (gourd);
- 28 the beehive-shaped hut
- 29 the bushman:
- 30 the ear peg
- 31 the loin cloth
- 32 the bow
- 33 the knobkerry (knobkeerie, *Am.* kiri), a club with round knobbed end;
- 34 the bushman woman, making fire by twirling a stick
- 35 the wind break
- 36 the Zulu in dancing finery:
- 37 the dancing-stick
- 38 the leg ring;
- 39 the war horn of ivory
- 40 the string of amulets and gambling bones
- 41 the pigmy (*in Afrika* : negrillo; *in Asia and Oceania* : negrito):
- 42 the magic pipe for the exorcism of evil spirits;
- 43 the fetish



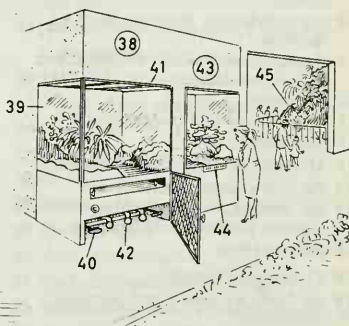
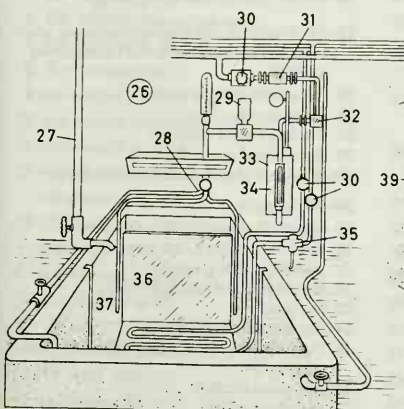
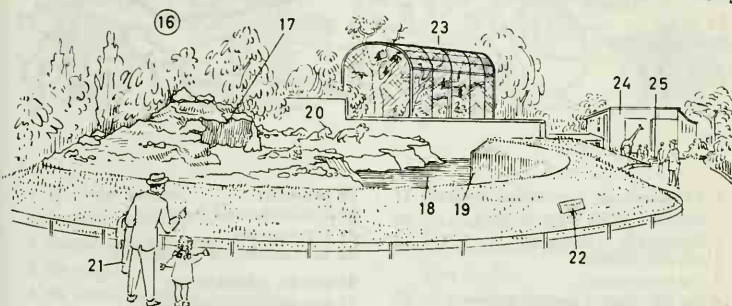
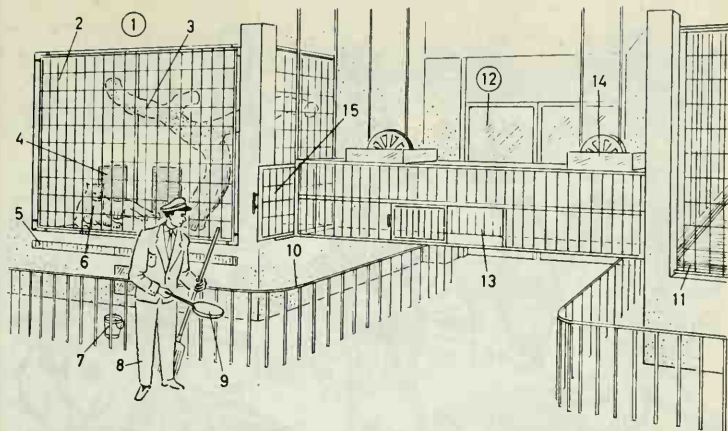


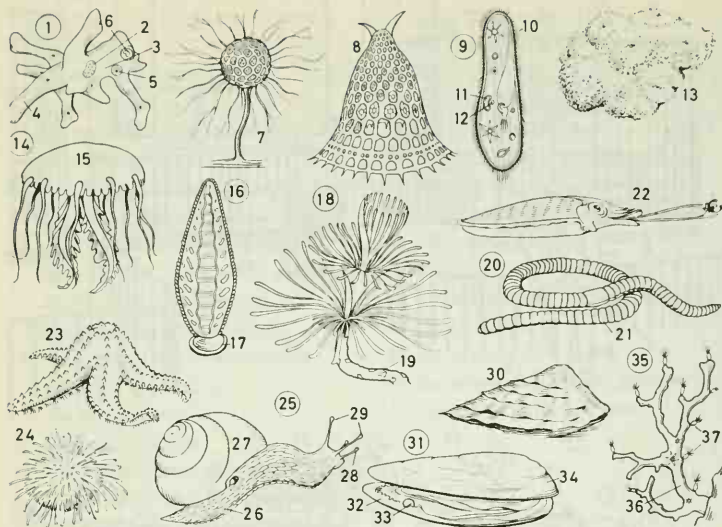
- 1 Greek woman:
- 2 the peplos;
- 3 Greek man:
- 4 the petasos (Thessalian hat)
- 5 the chiton, a linen gown worn as undergarment
- 6 the himation, a woollen (*Am.* woollen) upper garment;
- 7 Roman woman:
- 8 the forehead toupet (toupee)
- 9 the stola
- 10 the palla, a coloured (*Am.* colored) cloak;
- 11 Roman man:
- 12 the tunic
- 13 the toga
- 14 the purple border;
- 15 Byzantine empress:
- 16 the pearl diadem
- 17 the pendant ornaments
- 18 the purple cloak
- 19 the gown;
- 20 German princess [13th cent.]:
- 21 the diadem
- 22 the wimple
- 23 the tassel
- 24 the cloak cord
- 25 the girdled robe
- 26 the cloak;
- 27 German in Spanish style dress [about 1575]:
- 28 the cap
- 29 the short cape
- 30 the padded doublet (peascod)
- 31 the padded trunkhose;
- 32 landsknecht [about 1530]:
- 33 the slashed doublet
- 34 the baggy breeches (slops);
- 35 woman of Basle [about 1525]:
- 36 the gown
- 37 the petticoat;
- 38 woman of Nuremberg [about 1500]:
- 39 the wide collar;
- 40 Burgundian [15th cent.]:
- 41 the short doublet



- 42 the cracowes
 43 the poulaines;
 44 young nobleman [about 1400]:
 45 the short jerkin
 46 the scalloped sleeves
 47 the parti-coloured (*Am.* parti-colored) tights or hose;
 48 Augsburg patrician lady [about 1575]:
 49 the puffed sleeves
 50 the sleeveless gown;
 51 French lady [about 1600]:
 52 the ruff
 53 the corseted waist (wasp waist);
 54 gentleman [about 1650]:
 55 the Swedish hat ('cavalier' hat)
 56 the falling collar
 57 the white linen lining
 58 the bucket-topped boots;
 59 lady [about 1650]:
 60 the puffed sleeves; *later* gigot sleeves, leg-of-mutton sleeves;
 61 gentleman [about 1700]:
 62 the three-cornered hat (Kevenhuller)
 63 the dress sword;
 64 lady [about 1700]:
 65 the lace bonnet (fontange, commode)
 66 the lace-trimmed cloak
 67 the silver embroidery;
 68 lady [about 1875]:
 69 the drapery bunched at the back (bustle);
 70 lady [about 1858]:
 71 the bonnet
 72 the crinoline;
 73 Biedermeier gentleman [about 1845]:
 74 the high collar (choker)
 75 the embroidered waistcoat (*Am.* vest)
 76 the frock-coat;
 77 the tie-wig;
 78 the bow of the tie-wig;
 79 ladies in court dress [about 1780]:
 80 the train
 81 the high head-dress
 82 the hair ornaments
 83 the paniered skirt

- 1-15 the house for beasts of prey
[interior],
- 1 the cage for beasts of prey:
- 2 the iron bars
- 3 the tree for climbing and sharpening claws
- 4 the sliding drawer or tray
- 5 the air-conditioning installation;
- 6 the beast of prey (predacious animal, raptorial animal, predatory animal, wild animal)
- 7 the food pail (food bucket)
- 8 the keeper (keeper of the wild animals)
- 9 the water basin
- 10 the safety barrier
- 11 the water gutter (for deodorant)
- 12 the hospital and operating cage:
- 13 the sliding door for operations
- 14 the pulley for lifting slides
- 15 the sliding door;
- 16 the outdoor (outside) enclosure:
- 17 the natural rock
- 18 the waterfilled dyke
- 19 the ramped wall
- 20 the animals on show; *here* : a pride of lions
- 21 the zoo visitor
- 22 the warning notice;
- 23 the aviary, a large bird cage
- 24 the giraffe house; *sim.* elephant house, monkey house
- 25 the outdoor cage or enclosure (summer cage)
- 26 the aquarium:
- 27 the water-inflow pipe
- 28 the aeration system
- 29 the magnetic valve
- 30 the shut-off (stop) valve
- 31 the silt collector
- 32 the mixing valve
- 33 the mixing vessel
- 34 the water meter
- 35 the thermostat
- 36 the double sheet of glass
- 37 the water basin;
- 38 the combined vivarium and aquarium:
- 39 the glass case
- 40 the fresh-air inlet
- 41 the air outlet (ventilation)
- 42 the heating from beneath the cage;
- 43 the vivarium:
- 44 the explanatory notice
- 45 the tropical landscape garden (model of a climatic zone)





1-12 unicellular (one-celled, single-celled) animals (protozoans),

1 the amoeba, a rhizopod;

2 the cell nucleus

3 the protoplasm

4 the pseudopod (pseudopodium)

5 the contractile and pulsating excretory vacuole

6 the food vacuole;

7 *Actinophrys sol*, a sun animalcule (heliozoon)

8 the radiolarian; *here*: the siliceous skeleton

9 the slipper animalcule, a *Paramecium* (ciliate infusorian);

10 the cilium

11 the macronucleus (meganucleus)

12 the micronucleus;

13-37 multicellular animals (Metazoa):

13 the bath sponge, a *Porifera*

14 the medusa, a discomedusa (umbrella medusa, jellyfish), a coelenterate:

15 the umbrella;

16-21 worms (Vermes):

16 the leech, a ringed worm (annelid):

17 the sucker;

18 *Spirographis*, a bristle-worm:

19 the tube;

20 the earthworm (worm):

21 the segment;

22 the cuttlefish, a cephalopod

23 and 24 echinoderms:

23 the starfish (sea star)

24 the sea urchin (sea hedgehog);

25-34 Mollusca (mollusks, molluscs, *also*: *Conchylia*, testaceous and crustaceous animals),

25 the edible snail, a snail:

26 the muscular foot

27 the snail shell (conch)

28 the stalked eye

29 the snail's horn (snail's tentacle);

30-34 mussels:

30 the oyster; the shell: *Am. shuck*

31 the fresh-water pearl mussel (river mussel, swan mussel):

32 the mother-of-pearl (nacre)

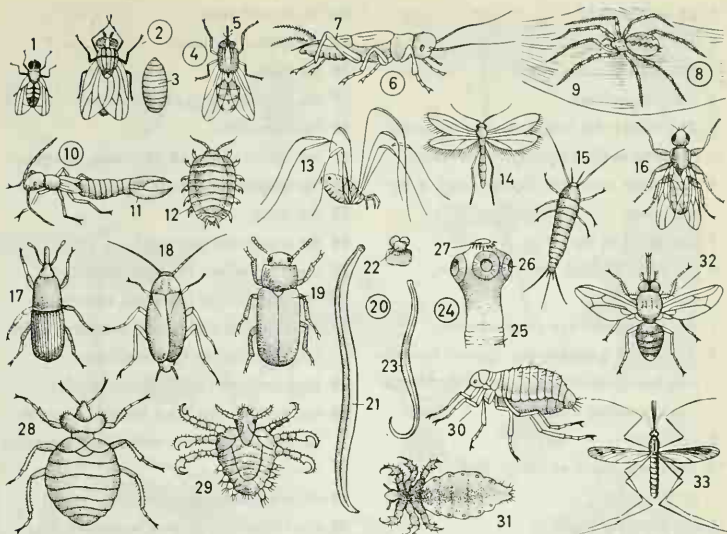
33 the pearl

34 the mussel shell;

35 the precious coral, an anthozoon (coral zoophyte):

36 the coral branch

37 the coral polyp



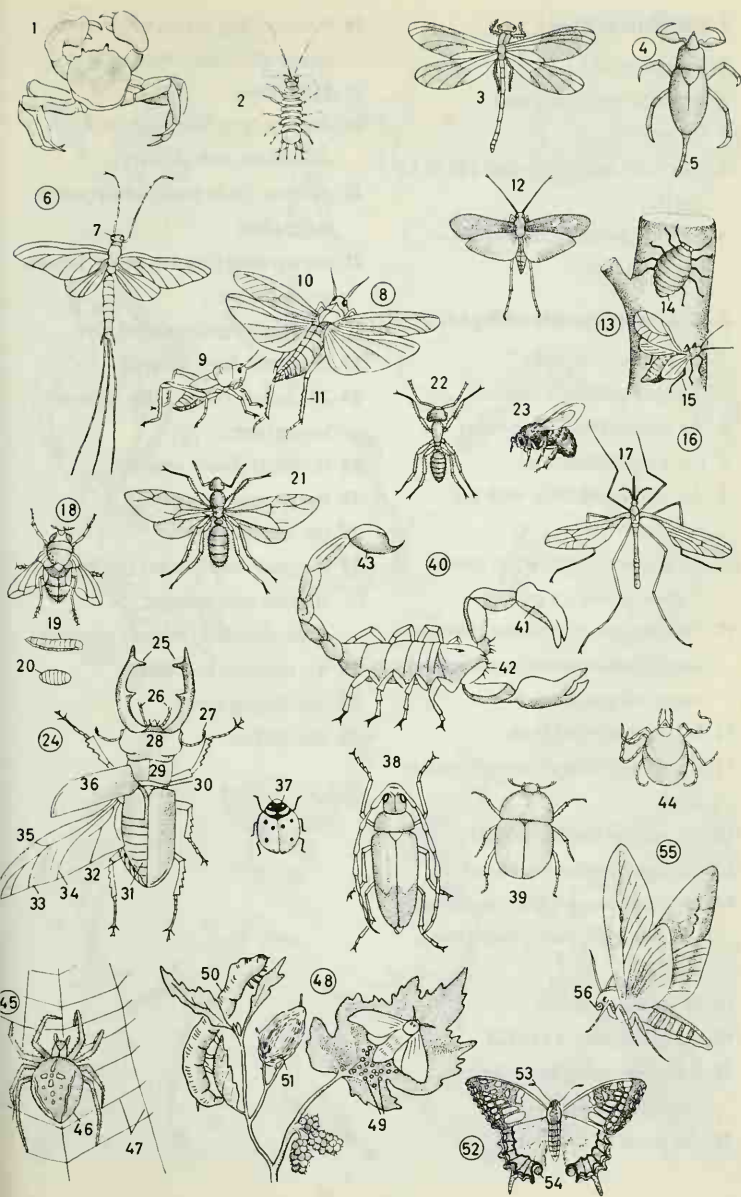
1-13 house insects:

- 1 the lesser house fly
- 2 the common house fly:
- 3 the pupa;
- 4 the stable fly (biting house fly):
- 5 the trichotomous antenna;
- 6 the cricket (house cricket):
- 7 the wing with stridulating apparatus;
- 8 the house spider:
- 9 the spider's web;
- 10 the earwig (Dermaptera):
- 11 the caudal pincers;
- 12 the wood louse (sow bug), a segmented crustacean
- 13 the harvester (harvestman, harvest spider);
- 14 and 15 textile pests:
- 14 the clothes moth
- 15 the silver fish (sugar mite, *Am. slicker*), an insect with bristle tail;
- 16-19 food pests:
- 16 the cheese fly

17 the grain weevil

- 18 the cockroach (black beetle)
- 19 the meal beetle (meal worm beetle, flour beetle);
- 20-31 parasites of man,
- 20 the round worm (maw worm, *Ascaris*):
- 21 the female
- 22 the head
- 23 the male;
- 24 the tapeworm (cestodes), a flatworm (platyhelminth):
- 25 the head (scolex), a sucker (suctorial organ, organ of attachment)
- 26 the sucker
- 27 the crown of hooks;
- 28-33 vermin:
- 28 the bug (bed bug, *Am. chinch*)
- 29 the crab louse
- 30 the common flea
- 31 the body louse (clothes louse);
- 32 the tsetse fly (tsetse, *Glossina morsitans*)
- 33 the malaria mosquito (*Anopheles*)

- 1-23 arthropods,
 - 1 and 2 crustaceans,
 - 1 the mitten crab, a crab
 - 2 the water-slayer;
 - 3-23 insects (*Am.* bugs); *noxious* : vermin:
 - 3 the dragon fly, a homopterous insect
 - 4 the water scorpion (water bug), a hemipteran;
 - 5 the raptorial leg;
 - 6 the May fly (day fly, ephemerid, ephemeral fly):
 - 7 the compound eye (faceted eye);
 - 8 the green grasshopper (green locust, meadow grasshopper), an orthopteran (orthopterous insect):
 - 9 the larva
 - 10 the adult insect, an imago (full-grown insect)
 - 11 the jumping leg;
 - 12 the caddis fly (spring fly, water moth), a neuropteran
 - 13 the aphid (green fly), a plant louse:
 - 14 the wingless aphid
 - 15 the winged aphid;
 - 16-20 dipterous insects (dipterans, Diptera),
 - 16 the gnat (mosquito), a culex:
 - 17 the sucking proboscis;
 - 18 the blue bottle (blow fly, flesh fly), a fly:
 - 19 the maggot (larva)
 - 20 the pupa;
 - 21-23 Hymenoptera,
 - 21 and 22 the ant:
 - 21 the winged female (queen ant)
 - 22 the worker;
 - 23 the humble bee (bumble bee);
 - 24-39 beetles (Coleoptera),
 - 24-38 polyphagous beetles,
 - 24 the stag beetle, a lamellicorn beetle:
 - 25 the mandibles ('antlers')
 - 26 the mouth parts
 - 27 the feeler (antenna)
 - 28 the head
 - 29 the thoracic shield (prothorax)
 - 30 the scutellum
 - 31 the upper plates of abdomen (tergites)
 - 32 the stigmas (stigmata, spiracles)
 - 33 the wing
 - 34 the wing vein (nervure)
 - 35 the place where the wing folds
 - 36 the wing cover (elytrum, elytron);
 - 37 the ladybird (ladyclock, ladycow, lady-bug), one of the Coccinellidae
 - 38 *Ergates faber*, a longicorn beetle;
 - 39 the dung beetle (dor beetle), a scarab beetle (one of the Scarabaeidae), a predatory beetle;
 - 40-47 arachnids (araneids),
 - 40 the house scorpion, a scorpion:
 - 41 the chelicera (claw)
 - 42 the maxillary feeler (maxillary antenna)
 - 43 the tail sting;
 - 44-46 spiders:
 - 44 the European tick (dog tick), a tick
 - 45 the garden spider (cross spider), an orb-spinner:
 - 46 the spinneret;
 - 47 the cobweb (spider's web, spider web);
 - 48-56 butterflies,
 - 48 the mulberry-feeding silk moth (common silkworm moth), a silk moth:
 - 49 the eggs (ova)
 - 50 the silkworm
 - 51 the cocoon;
 - 52 the swallowtail, a butterfly:
 - 53 the feeler (antenna)
 - 54 the eyespot;
 - 55 the privet hawk-moth, a sphinx (hawk-moth):
 - 56 the proboscis



1-4 flightless birds,

1-3 ratite birds:

- 1 the cassowary; *sim.* emu
- 2 the ostrich
- 3 the clutch of ostrich eggs [12 to 14 eggs];
- 4 the king penguin, a penguin (Apenodytes);

5-30 birds capable of flight,

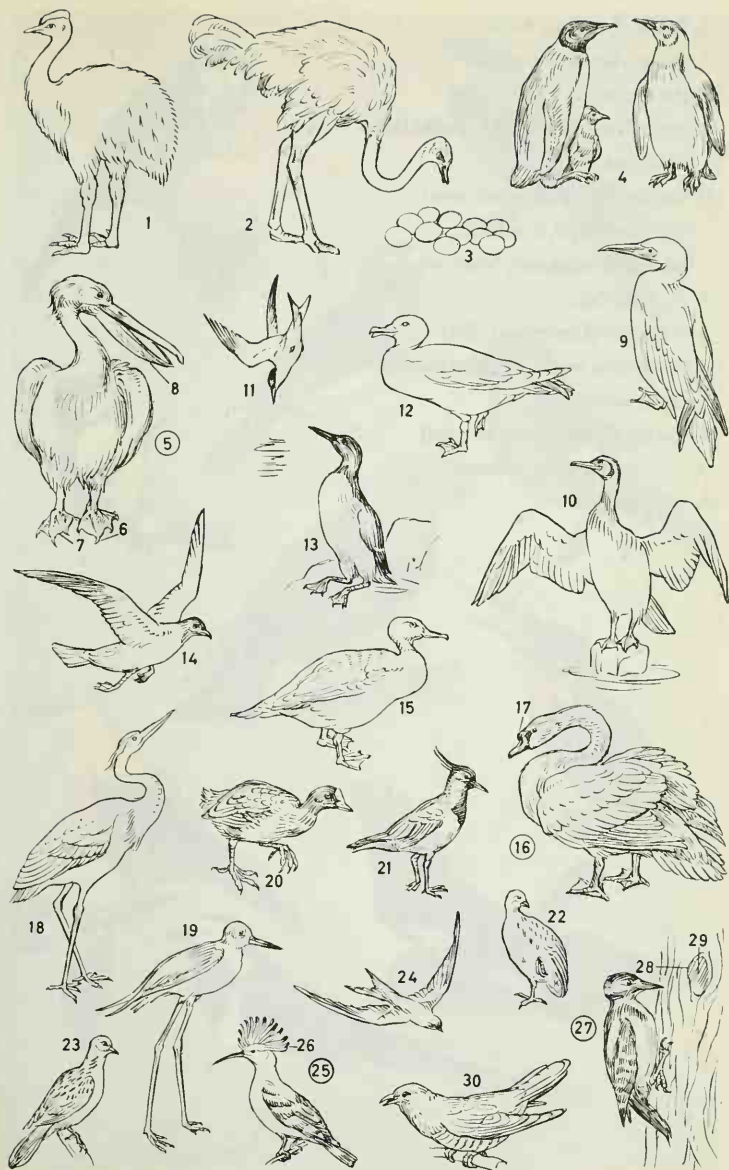
5-10 webfooted birds,

- 5 the rosy pelican, a pelican:
- 6 the webbed foot (web foot)
- 7 the web (membrane)
- 8 the lower mandible with the pouch;
- 9 the gannet (solan, solan goose, channel goose), a gannet
- 10 the common cormorant, a cormorant (Phalacrocorax) with spread wings, displaying;
- 11-14 long-winged birds:**
- 11 the tern (sea swallow) diving for food
- 12 the fulmar (fulmar petrel)
- 13 the black guillemot, an auk
- 14 the black-headed gull (laughing gull, sea gull, mew, mire crow), a gull;
- 15-17 anserine birds:**
- 15 the goosander, a sawbill
- 16 the swan (mute swan, Polish swan), a swan:
- 17 the knob on the bill;

- 18 the common heron, a heron, one of the Ciconiiformes

19-21 plovers:

- 19 the stilt (stilt bird, stilt-walker, stilt shank, stilt plover)
- 20 the coot (bald coot), a rail (water rail, rallus)
- 21 the lapwing (peewit, pewit, pewet, green plover);
- 22 the quail, a gallinaceous bird
- 23 the turtle dove, a pigeon
- 24-29 rollers (Coraciidae, non-passerine birds):**
- 24 the swift (black martin)
- 25 the hoopoe (hoopoo):
- 26 the erectile crest;
- 27 the pied woodpecker (greater spotted woodpecker, a woodpecker; *related* : wryneck:
- 28 the entrance to the nest
- 29 the nesting cavity;
- 30 the cuckoo



344 Indigenous Birds (Endemic Birds)

1, 3, 4, 5, 7, 9 song-birds:

1 the goldfinch, a finch

2 the bee-eater

3 the redstart (star finch), one of the
Turdidae

4 the blue tit (*fam.* tomtit, nun)
a tit (titmouse), a resident
bird (non-migratory bird)

5 the bullfinch

6 the roller (European roller)

7 the golden oriole, a bird of passage
(migratory bird)

8 the kingfisher (*poet.* halcyon)

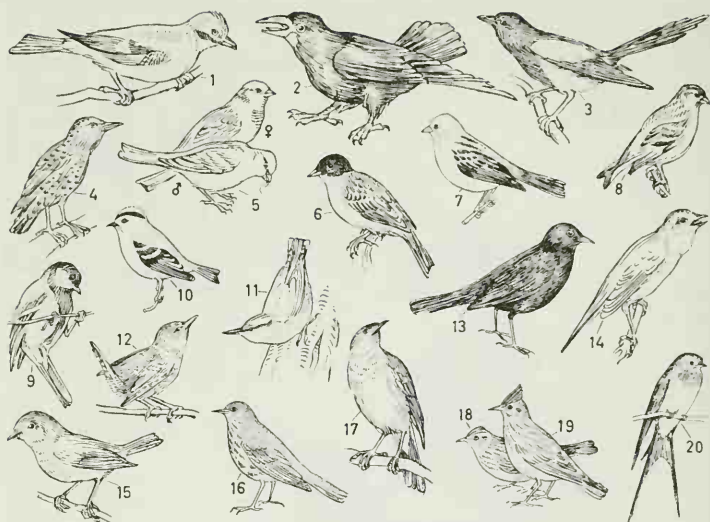
9 the white wagtail, a wagtail

10 the chaffinch



- 1 the sulphur-crested cockatoo, a
parrot
- 2 the blue and yellow macaw (*Ara*
ararauna)
- 3 the blue bird of paradise
- 4 the sappho, a colibri (humming-
bird)
- 5 the cardinal bird (cardinal
grosbeak)
- 6 the toucan, a climber (climbing
bird, scansorial bird)





1-20 song-birds (singing-birds,
songsters),

1-3 Corvidae (corvine birds,
crows):

1 the jay (jay bird), a jay

2 the rook, a crow

3 the magpie;

4 the starling (pastor, shepherd bird)

5 the house-sparrow

6-8 Fringillidae (finches),

6 and 7 buntings:

6 the yellow-hammer (yellow-bunting;
dial. yellow ham)

7 the ortolan (ortolan bunting);

8 the siskin (aberdevine), a siskin;

9 the great titmouse (great tit, ox-eye),
a titmouse

10 the golden-crested wren (goldcrest);
sim. : firecrest, a goldcrest

11 the nuthatch (*dial.* nutjobber)

12 the wren (jenny wren, kitty wren)

13-17 Turdidae (thrushes):

13 the blackbird

14 the nightingale (*poet.* Philomel, Philo-
mela)

15 the robin (redbreast, robin redbreast)

16 the song thrush (*poet. and dial.* throistle,
mavis)

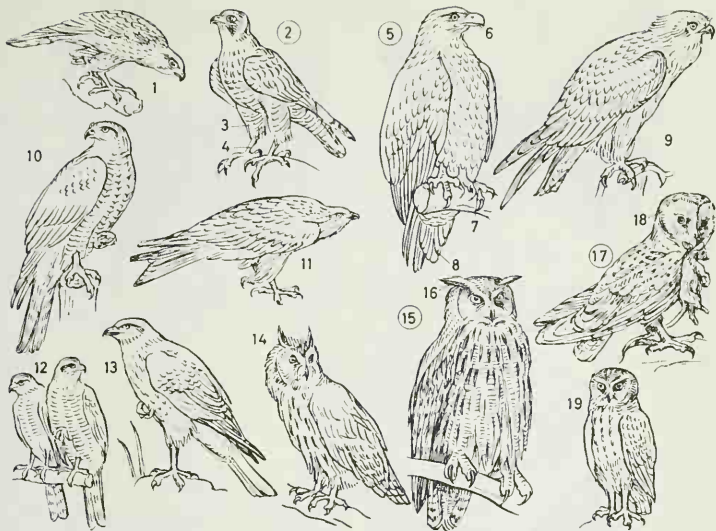
17 the thrush-nightingale (sprosser);

18 and 19 Alaudidae (larks):

18 the wood lark; *sim.* : skylark

19 the crested lark (tufted lark);

20 the barn-swallow (chimney-swallow),
a swallow



1-19 diurnal birds of prey,

1-4 falcons:

1 the merlin

2 the peregrine falcon (peregrine, *Am. duck-hawk*):

3 the 'trousers' (thigh feathers, thigh plumage)

4 the tarsus;

5-9 eagles,

5 the white-tailed eagle (sea-eagle, *erne*):

6 the hooked beak

7 the claw (talon)

8 the tail;

9 the common buzzard;

10-13 Accipiters (hawks):

10 the goshawk (*Scot. gos*)

11 the kite (glede)

12 the sparrow hawk (sparhawk)

13 the marsh harrier (moor buzzard, moor harrier, moor hawk);

14-19 nocturnal birds of prey (owls):

14 the long-eared owl

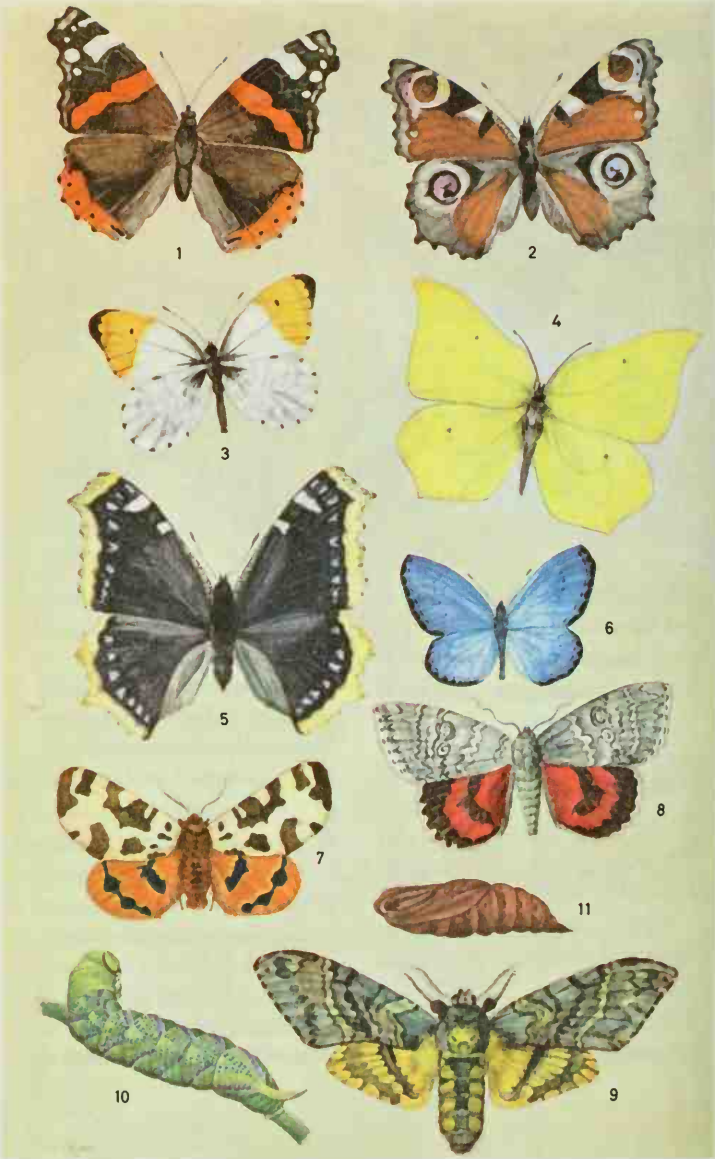
15 the eagle-owl (great horned owl):

16 the plumicorn (ear-tuft, horn);

17 the barn owl (white owl, silver owl, yellow owl, church owl, screech owl, *dial. hobby owl*):

18 the facial disk or disc (feathers radiating round the eyes);

19 the little owl (sparrow owl)



1-11 Lepidoptera,

1-6 butterflies (diurnal

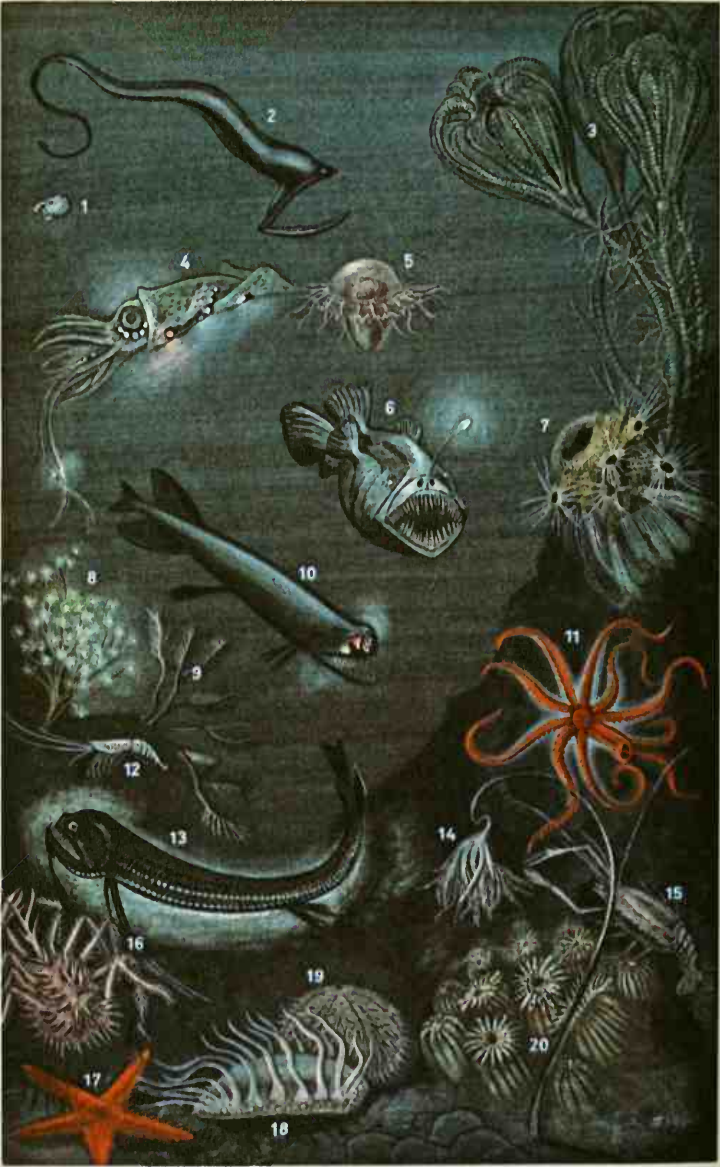
Lepidoptera):

- 1 the red admiral
- 2 the peacock butterfly
- 3 the orange-tip butterfly
- 4 the brimstone butterfly
- 5 the Camberwell beauty (mourning cloak)
- 6 the large blue butterfly (lycaenid butterfly);

7-11 moths (nocturnal

Lepidoptera):

- 7 the common tiger-moth
- 8 the ilia underwing
- 9 the death's-head hawk-moth,
a hawk-moth (sphinx):
- 10 the caterpillar
- 11 the pupa



- 1 *Gigantocypris agassizi* (giant cypris, giant ostracod)
- 2 *Macropharynx longicaudatus* (pelican eel)
- 3 *Pentacrinus* (larva of feather star), a sea lily, an echinoderm
- 4 *Thaumatolampas diadema* ('wonder lamp'), a squid [luminescent]
- 5 *Atolla*, a deep-sea medusa, a coelenterate
- 6 *Melanocetes*, an angler fish (one of the *Pediculati*) [luminescent]
- 7 *Lophocalyx philippensis*, a glass sponge
- 8 *Mopsea*, a sea-fan [colony; luminescent]
- 9 *Hydrallmania*, a hydroid polyp, a polyp, a coelenterate [colony]
- 10 *Malacosteus indicus*, one of the *Stomiidae* [luminescent]
- 11 *Brisinga endecacnemos*, an ophiuroid echinoderm, an echinoderm [luminescent only when stimulated]
- 12 *Pasiphaea*, a deep-sea prawn
- 13 *Echiostoma*, one of the *Stomiidae*, a fish [luminescent]
- 14 *Umbellula encrinus*, a sea pen, a coelenterate [colony]
- 15 *Pentacheles*, a deep-sea prawn
- 16 *Lithodes*, a deep-sea crab
- 17 *Archaster*, a starfish, an echinoderm
- 18 *Oneirophanta*, a sea cucumber (sea gherkin), an echinoderm
- 19 *Palaeopneustes niasicus*, a sea hedgehog (sea urchin), an echinoderm
- 20 *Chitonactis*, a sea anemone (*Actinia*), a coelenterate

1-17 fish,

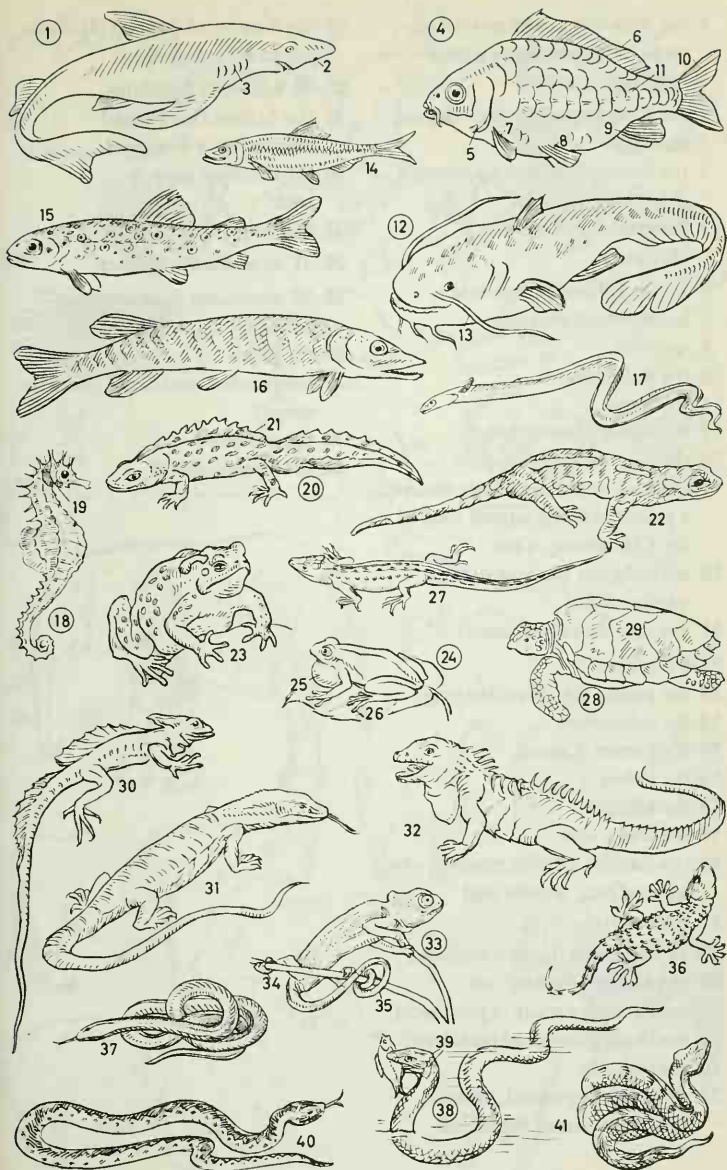
- 1 the man-eater (blue shark, requin),
a shark:
- 2 the nose (snout)
- 3 the gill slit;
- 4 the carp, a mirror carp or king
carp:
- 5 the gill cover (operculum)
- 6 the dorsal fin
- 7 the pectoral fin (breast-fin)
- 8 the pelvic fin
- 9 the anal fin
- 10 the caudal fin
- 11 the mirror scale;
- 12 the sheat fish (wels):
- 13 the barbel;
- 14 the common herring
- 15 the brook trout, a trout
- 16 the common pike
- 17 the fresh-water eel
- 18 the sea horse (Hippocampus):
- 19 the Lophobranchia;

20-26 amphibians (amphibia),

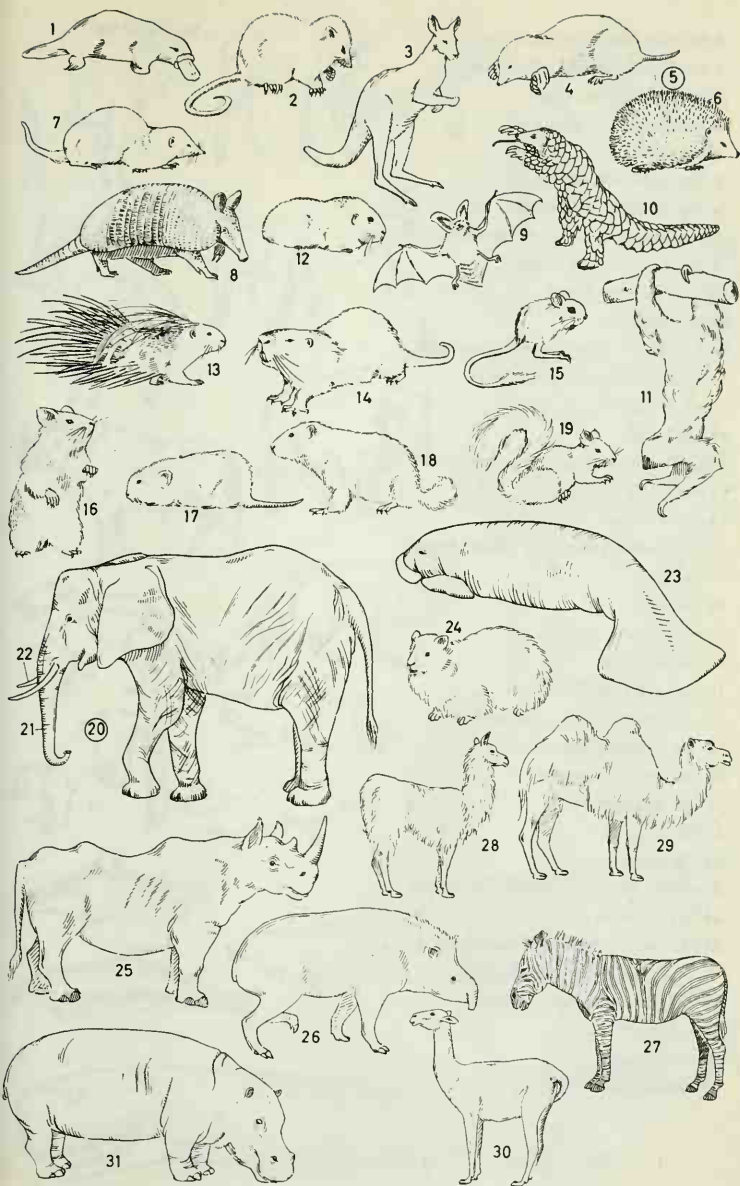
- 20-22 newts (efts),
- 20 the great water newt (warty
newt), a water newt:
- 21 the dorsal crest;
- 22 the spotted salamander, a sala-
mander; (*other species* : the giant
salamander; the hellbender);
- 23-26 anurans (tailless amphibians,
batrachians):
- 23 the toad (common toad,
Am. coll. hoptoad), a toad
- 24 the tree frog (arboreal frog):
- 25 the vocal sac (croaking sac)
- 26 the adhesive disk or disc;

27-41 reptiles,

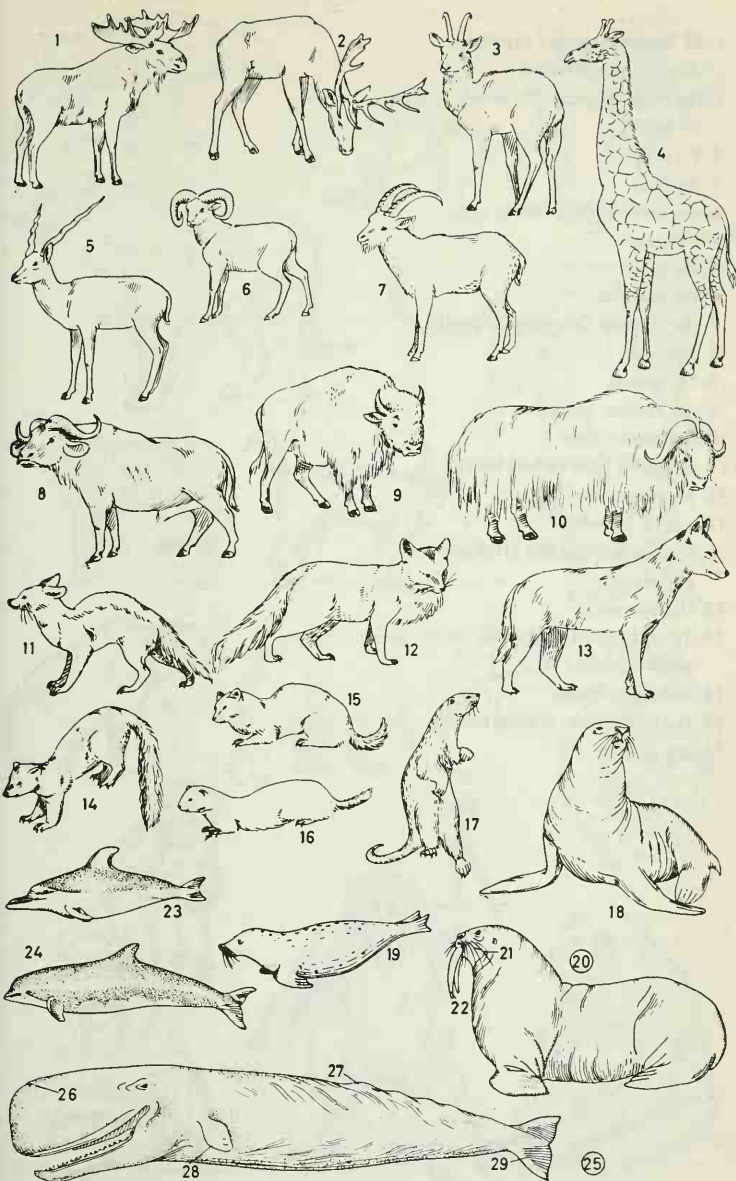
- 27 and 31-37 lizards (Lacertidae):
- 27 the sand lizard
- 28 the hawk's-bill (hawk's-bill
turtle):
- 29 the back shield (carapace);
- 30 the basilisk
- 31 the monitor (varanus), a varan
- 32 the green iguana, an iguana
- 33 the chameleon, one of the
Chamaeleontidae (Rhoptoglossa):
- 34 the prehensile foot
- 35 the prehensile tail;
- 36 the wall gecko, a gecko
- 37 the slow worm (blind worm);
- 38-41 snakes (*esp. when large and, or,*
venomous : serpents),
- 38 the ring snake (ringed snake,
grass snake, water snake):
- 39 the ring (collar);
- 40 and 41 vipers:
- 40 the common viper (adder),
a poisonous viper
- 41 the asp



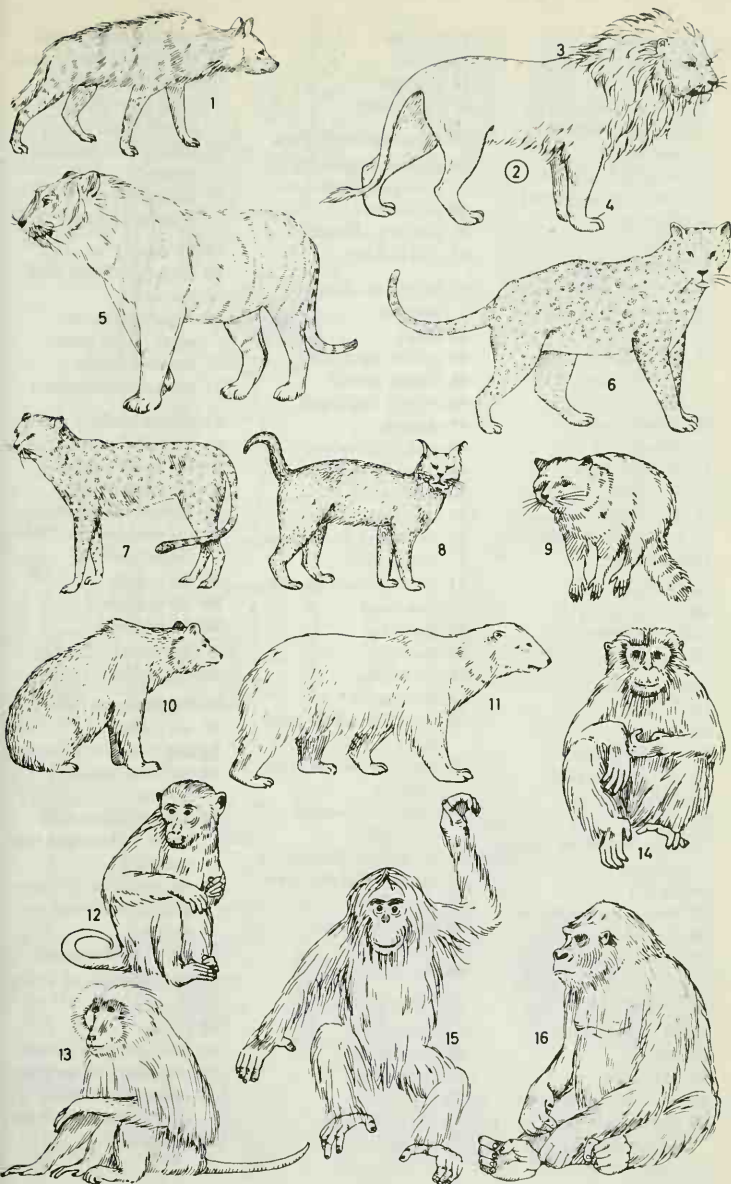
- 1 the duck-bill or platypus (duck-mole, water-mole), a monotreme (egg-laying animal)
- 2 and 3 marsupials (pouch-bearing animals):
- 2 the North American opossum, a didelphic marsupial
- 3 the giant red kangaroo, a kangaroo;
- 4-7 insectivores (insect-eaters, insect-eating animals):
- 4 the mole
- 5 the hedgehog:
- 6 the spine;
- 7 the shrew (shrewmouse);
- 8 the nine-banded armadillo
- 9 the long-eared bat (flutter mouse), a placental flying animal (one of the Chiroptera), a bat
- 10 the pangolin (scaly ant-eater), a scaly animal
- 11 the two-toed sloth (unau)
- 12-19 rodents:
- 12 the guinea pig (Brazilian cavy)
- 13 the porcupine
- 14 the beaver (*Castor*)
- 15 the jerboa
- 16 the hamster
- 17 the water vole
- 18 the marmot (Alpine marmot, *Am.* ground hog, whistle pig)
- 19 the squirrel;
- 20-31 ungulates (hoofed animals),
- 20 the African elephant, an animal with a trunk (a proboscis):
- 21 the trunk (elongated proboscis)
- 22 the tusk;
- 23 the manatee (manati, manatin, lamantin), one of the Sirenia
- 24 the Australian dugong (*Halicore*, sea cow), a dugong
- 25-27 odd-toed ungulates:
- 25 the African two-horned rhinoceros, a nasicorn
- 26 the Brazilian tapir, a tapir
- 27 the zebra;
- 28-31 even-toed ungulates,
- 28-30 ruminants (cud-chewing animals):
- 28 the llama
- 29 the two-humped camel (Bactrian camel)
- 30 the guanaco;
- 31 the hippopotamus



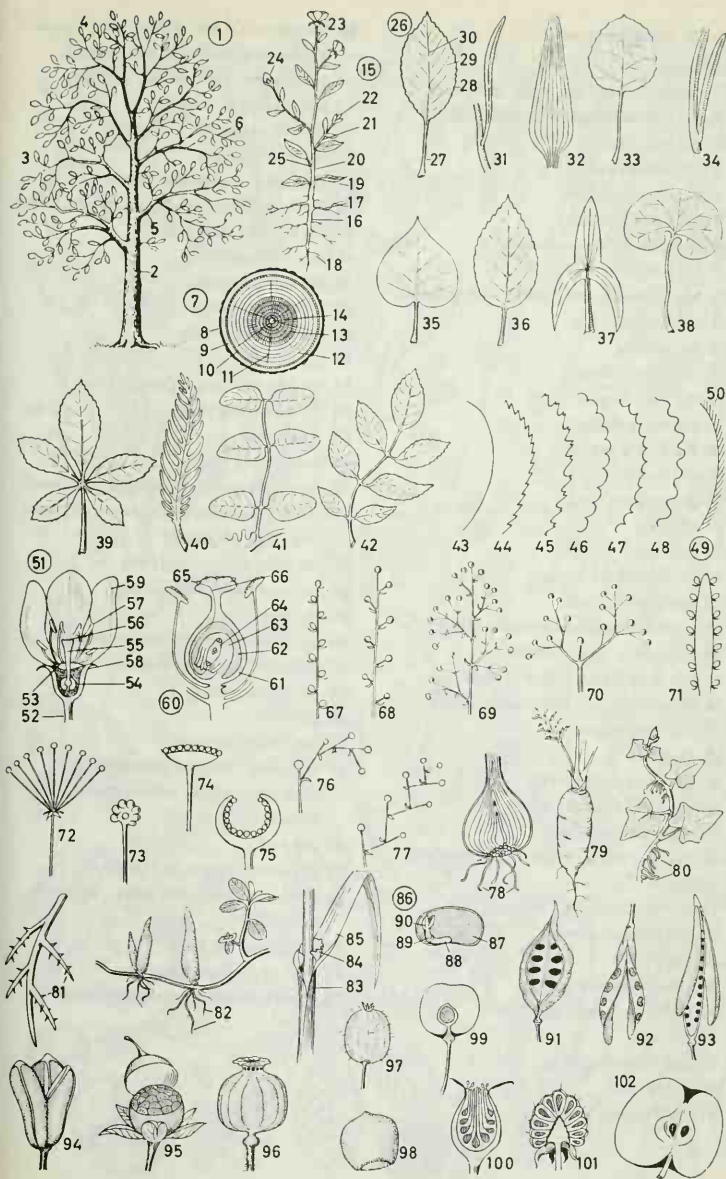
- 1-10 ungulates (hoofed animals):
 - 1 the European elk (*Am.* moose)
 - 2 the wapiti (*Am.* elk)
 - 3 the chamois (Alpine goat)
 - 4 the giraffe
 - 5 the blackbuck (antelope)
 - 6 the mouflon (wild sheep)
 - 7 the ibex (bouquetin, steinbock)
 - 8 the domesticated buffalo
 - 9 the American bison
 - 10 the musk-ox;
- 11-17 beasts of prey (rapacious animals, raptorial animals, carnivores),
 - 11-13 Canidae:
 - 11 the jackal
 - 12 the red fox (common European fox)
 - 13 the wolf;
 - 14-16 martens:
 - 14 the stone marten (*other species* : beech marten)
 - 15 the sable
 - 16 the weasel;
 - 17 the sea otter;
 - 18-22 seals (pinnipeds):
 - 18 the ursine seal (fur seal, sea bear)
 - 19 the common seal (sea calf)
 - 20 the walrus (morse):
 - 21 the moustache
 - 22 the fang;
 - 23-29 whales:
 - 23 the bottle-nosed dolphin (Tursiops)
 - 24 the common dolphin
 - 25 the sperm whale (spermaceti whale, cachalot), a toothed whale:
 - 26 the blow hole (spout hole)
 - 27 the dorsal fin
 - 28 the flipper
 - 29 the tail-fluke



- 1-11 beasts of prey (raptorial animals, carnivores):
 - 1 the striped hyena (*Hyaena*),
a hyena
 - 2-8 cats,
 - 2 the lion:
 - 3 the mane (lion's mane)
 - 4 the paw;
 - 5 the tiger
 - 6 the leopard
 - 7 the cheetah (hunting leopard)
 - 8 the lynx;
 - 9-11 bears:
 - 9 the racoon (coon)
 - 10 the brown bear
 - 11 the polar bear (white bear);
 - 12-16 primates,
 - 12 and 13 monkeys:
 - 12 the rhesus monkey (Indian macaque)
 - 13 the baboon;
 - 14-16 apes (man-like apes, anthropoids):
 - 14 the chimpanzee
 - 15 the orang utan (orang outan)
 - 16 the gorilla



- 1 the tree:
- 2 the bole (tree trunk, trunk)
- 3 the crown of the tree
- 4 the top of the tree (tree top)
- 5 the branch; *a main branch*: bough (limb)
- 6 the twig;
- 7 the bole [section]:
- 8 the bark (rind)
- 9 the inner fibrous bark
- 10 the cambium (cambium ring)
- 11 the medullary rays (vascular rays, pith rays)
- 12 the sapwood (alburnum)
- 13 the heartwood (duramen)
- 14 the medulla (vascular cylinder, pith cylinder);
- 15 the plant,
- 16–18 the root:
- 16 the main root
- 17 the side root
- 18 the root hair;
- 19–25 the shoot (sprout):
- 19 the leaf
- 20 the stalk
- 21 the side shoot
- 22 the terminal bud
- 23 the flower
- 24 the flower bud
- 25 the axil with the axillary bud;
- 26 the leaf:
- 27 the leaf stalk (petiole)
- 28 the leaf blade (lamina)
- 29 the venation (leaf veins, leaf nerves, leaf ribs)
- 30 the leaf midrib;
- 31–38 forms of leaves:
- 31 linear
- 32 lanceolate
- 33 orbicular (orbiculate)
- 34 acerose (acerous, needle-shaped)
- 35 cordate
- 36 ovate
- 37 sagittate
- 38 reniform;
- 39 42 compound leaves:
- 39 digitate (digitated, quinquefoliate)
- 40 pinnatifid
- 41 abruptly pinnate
- 42 odd pinnate;
- 43 50 forms of leaf margins:
- 43 entire
- 44 serrate (toothed)
- 45 doubly serrate
- 46 crenate (scalloped)
- 47 dentate
- 48 sinuate (sinuous)
- 49 ciliate (ciliated):
- 50 the cilium;
- 51 the flower:
- 52 the flower stalk (scape, flower stem)
- 53 the receptacle (thorus, thalamus)
- 54 the ovary
- 55 the style
- 56 the stigma
- 57 the stamen
- 58 the sepal; *all the sepals*: calyx
- 59 the petal; *all the petals*: corolla;
- 60 ovary and stamen [section]:
- 61 the wall of the ovary
- 62 the cavity of the ovary
- 63 the ovule
- 64 the embryo sac
- 65 the pollen
- 66 the pollen tube;
- 67–77 inflorescences:
- 67 the spike
- 68 the raceme
- 69 the panicle
- 70 the cyme
- 71 the fleshy spike
- 72 the umbel
- 73 the capitulum (head)
- 74 the discoid flower head
- 75 the globose flower head (pear-shaped flower head)
- 76 the bostryx (helicoid cyme)
- 77 the cincinnus (scorpioid cyme);
- 78–82 roots:
- 78 the adventitious root
- 79 the tuber
- 80 the adventitious roots (aerial roots)
- 81 the root thorns
- 82 the pneumatophore;
- 83–85 the blade of grass:
- 83 the leaf sheath
- 84 the ligule (ligula)
- 85 the blade;
- 86 the embryo (germ):
- 87 the seed leaf (seed lobe, cotyledon)
- 88 the radicle
- 89 the hypocotyl
- 90 the leaf bud (plumule);
- 91–102 fruits,
- 91–96 dehiscent fruits:
- 91 the follicle
- 92 the two-suture legume
- 93 the three-suture legume
- 94 the schizocarp seed vessel (schizocarp seed capsule)
- 95 the pyxidium (circumscissile seed vessel or capsule)
- 96 the poricidal capsule;
- 97–102 indehiscent fruits:
- 97 the berry
- 98 the nut
- 99 the stone fruit (drupe)
- 100 the collective nut fruit
- 101 the collective stone fruit (collective drupe)
- 102 the pome



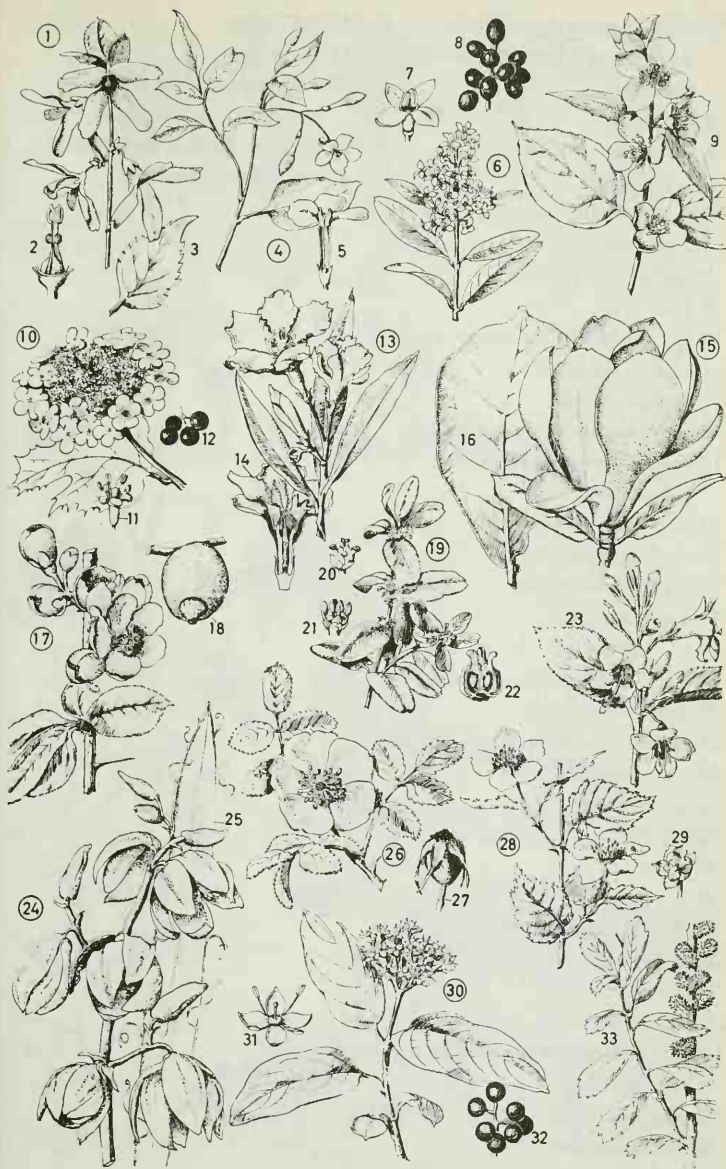
- 1-73 deciduous trees,
- 1 the oak:
- 2 the flowering twig (twig in flower)
- 3 the fruiting twig (twig in fruit)
- 4 the fruit (acorn)
- 5 the cup (cupule)
- 6 the female flower
- 7 the bract (bractea)
- 8 the male inflorescence;
- 9 the birch:
- 10 the flowering twig (twig with catkins)
- 11 the fruiting twig
- 12 the samara
- 13 the female flower
- 14 the male flower;
- 15 the black poplar:
- 16 the flowering twig
- 17 the flower
- 18 the fruiting twig
- 19 the fruit
- 20 the seed
- 21 the leaf of the aspen
- 22 the fructification
- 23 the leaf of the white poplar (abele);
- 24 the sallow (goat willow):
- 25 the twig with the flower buds
- 26 the male catkin with single flower
- 27 the twig in leaf
- 28 the fruit
- 29 the osier twig in leaf;
- 30 the alder (howler, aller):
- 31 the fruiting twig
- 32 the flowering twig with last year's cones;
- 33 the beech:
- 34 the flowering twig
- 35 the flower
- 36 the fruiting twig
- 37 the fruit (beech nut, mast);
- 38 the ash:
- 39 the flowering twig
- 40 the flower
- 41 the fruiting twig;
- 42 the mountain ash (rowan tree, Foulér's service, cock-drunks, hen-drunks, quickbeam, witchwood, witchen, white ash):
- 43 the inflorescence
- 44 the fructification
- 45 the fruit [longitudinal section];
- 46 the lime (lime tree, linden, linden tree):
- 47 the fruiting twig
- 48 the inflorescence;
- 49 the elm (elm tree):
- 50 the fruiting twig
- 51 the flowering twig
- 52 the flower;
- 53 the Norway maple (maple tree):
- 54 the flowering twig
- 55 the flower
- 56 the fruiting twig
- 57 the maple seed with wing (winged seed);
- 58 the horse chestnut (chestnut, chestnut tree, *Am.* buckeye):
- 59 the twig with young fruit
- 60 the seed (chestnut, conker)
- 61 the ripe fruit
- 62 the flower [longitudinal section];
- 63 the hornbeam (hardbeam):
- 64 the fruiting twig
- 65 the seed
- 66 the flowering twig;
- 67 the plane (western plane tree, *Am.* button tree, button wood, button ball):
- 68 the leaf
- 69 the fructification and the fruit;
- 70 the locust tree (false acacia, common robinia):
- 71 the flowering twig
- 72 part of the fructification
- 73 the stipule with bracts (bractea)



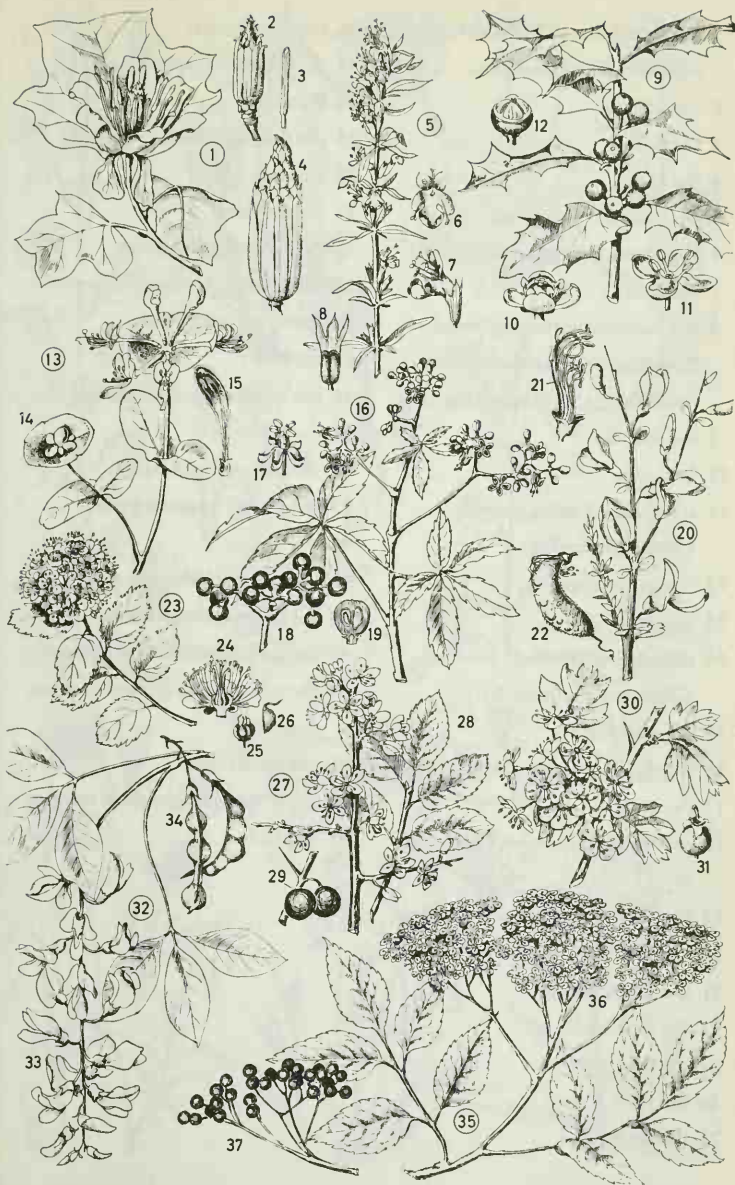
- 1-71 coniferous trees (cone-bearing trees),
- 1 the fir (fir tree, silver fir):
- 2 the fir cone (fir strobilus), a fruit cone
- 3 the axis
- 4 the female flower cone
- 5 the bract scale
- 6 the sprig of male flowers
- 7 the stamen
- 8 the cone scale
- 9 the seed with wing (winged seed)
- 10 the seed [longitudinal section]
- 11 the fir needle (needle);
- 12 the spruce (spruce fir, Norway spruce):
- 13 the fruit cone (spruce cone)
- 14 the cone scale
- 15 the seed
- 16 the female flower cone
- 17 the male inflorescence
- 18 the stamen
- 19 the spruce needle;
- 20 the pine (Scots pine, pine tree, *coll.*, but *incorrect* Scotch fir, Scots fir):
- 21 the dwarf pine
- 22 the female flower cone
- 23 the bundle of two leaves of young shoot
- 24 the male inflorescence
- 25 the new year's shoot
- 26 the fruit cone (pine cone)
- 27 the cone scale
- 28 the seed
- 29 the fruit cone of the Swiss stone pine (stone pine, cembra pine)
- 30 the fruit cone of the Weymouth pine (white pine)
- 31 the young shoot [cross section];
- 32 the larch (larch tree):
- 33 the flowering twig
- 34 the scale of the female flower cone
- 35 the anther
- 36 the twig with larch cone (fruit cone)
- 37 the seed
- 38 the cone scale;
- 39 the tree of life (arbor vitae, Thuja):
- 40 the fruiting twig
- 41 the fruit cone
- 42 the scale
- 43 the twig with reproductive shoots
- 44 the male shoot
- 45 the scale with pollen sacs
- 46 the female shoot;
- 47 the juniper:
- 48 the female shoot [longitudinal section]
- 49 the male shoot
- 50 the scale with pollen sacs
- 51 the fruiting twig
- 52 the juniper berry
- 53 the fruit [cross section]
- 54 the seed;
- 55 the stone pine:
- 56 the male shoot
- 57 the fruit cone (stone-pine cone) with seed [longitudinal section];
- 58 the common cypress (cypress, cypress tree):
- 59 the fruiting twig
- 60 the seed;
- 61 the yew (yew tree):
- 62 the reproductive shoots
- 63 the fruiting twig
- 64 the fruit [longitudinal section];
- 65 the cedar of Lebanon:
- 66 the fruiting twig
- 67 the fruit scale
- 68 the reproductive shoots;
- 69 Wellingtonia (mammoth tree):
- 70 the fruiting twig
- 71 the seed



- 1 the Forsythia:
- 2 the ovary and the stamen
- 3 the leaf;
- 4 the yellow-flowered jessamin(e)
or jasmín(e):
- 5 the flower [longitudinal section]
with style, ovary, and stamens
(*rare* : stamina);
- 6 the privet:
- 7 the flower
- 8 the fructification;
- 9 the fragrant (sweet-scented) mock
orange (*pap.*, *but err.* syringa)
- 10 the common guelder rose (snow-
ball tree):
- 11 the flower (blossom)
- 12 the fruits;
- 13 the oleander (rosebay, rose laurel):
- 14 the flower [longitudinal section];
- 15 the red magnolia:
- 16 the leaf;
- 17 the japonica (Japanese quince):
- 18 the fruit;
- 19 the common (evergreen) box-tree:
- 20 the female flower
- 21 the male flower
- 22 the fruit [longitudinal section];
- 23 the Weigela (Weigelia)
- 24 the yucca [part of inflorescence]:
- 25 the leaf;
- 26 the dog-rose:
- 27 the fruit;
- 28 the corchorus (Kerria):
- 29 the fruit;
- 30 the cornel bush (dogwood):
- 31 the flower
- 32 the fruit (cornel cherry, cornel
berry);
- 33 the gale (sweet gale, boy myrtle,
Dutch myrtle)



- 1 the common tulip tree (tulip poplar, saddle tree, whitewood):
- 2 the carpels
- 3 the stamen
- 4 the fruit;
- 5 the hyssop:
- 6 the flower [from above]
- 7 the flower
- 8 the calyx with fruit;
- 9 the holly:
- 10 the hermaphrodite flower (androgynous flower)
- 11 the male flower
- 12 the fruit with stones exposed;
- 13 the honeysuckle (woodbine, woodbind):
- 14 the flower buds
- 15 the flower [cut open];
- 16 the Virginia creeper:
- 17 the open flower
- 18 the fructification (fruits)
- 19 the fruit [longitudinal section];
- 20 the common broom:
- 21 the flower with the petals removed
- 22 the young pod;
- 23 the spiraea:
- 24 the flower [longitudinal section]
- 25 the fruit
- 26 the stamen;
- 27 the blackthorn (sloe):
- 28 the leaves
- 29 the fruits;
- 30 the one-pistil (one-style, one-stylus) hawthorn (whitethorn, *pop.* the May):
- 31 the fruit (haw);
- 32 the laburnum:
- 33 the raceme
- 34 the fruits;
- 35 the common elder (*Scot.* bourtree, bountree):
- 36 the elder flowers, flower cyme
- 37 the elderberries



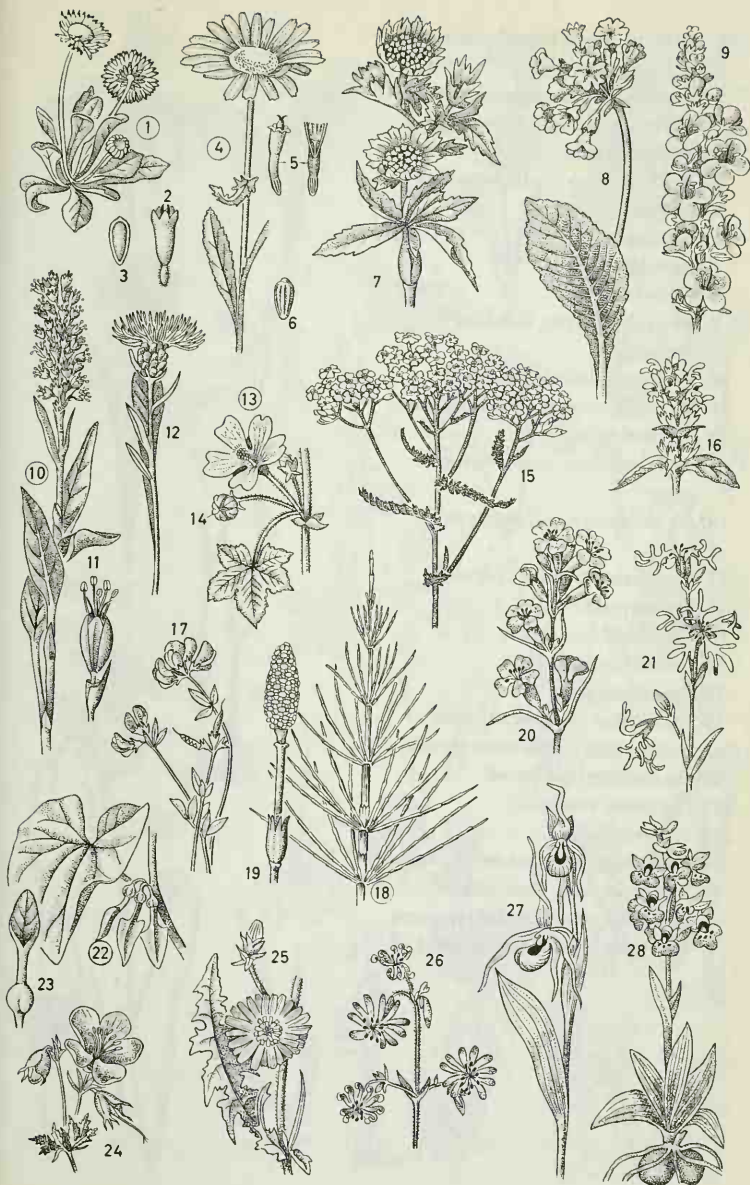
359 Meadow and Hedgerow Flowers (Field Flowers) I

- 1 the round-leaved (rotundifoliate, rotundifolious) saxifrage:
- 2 the leaf
- 3 the flower
- 4 the fruit;
- 5 the common anemone:
- 6 the flower [longitudinal section]
- 7 the fruit;
- 8 the meadow buttercup (meadow crowfoot, crowfoot, *also called* butterflower, gold-cup, king-cup):
- 9 the root-leaf
- 10 the fruit;
- 11 the meadow ladies'-smock (cuckoo flower):
- 12 the basilar leaf
- 13 the fruit;
- 14 the harebell (hairbell, bluebell, bell flower, campanula):
- 15 the root-leaf
- 16 the flower [longitudinal section]
- 17 the fruit;
- 18 the ivy-leaved ale-hoof (ground ivy):
- 19 the flower [longitudinal section]
- 20 the flower [from above];
- 21 the stonecrop
- 22 the speedwell:
- 23 the flower
- 24 the fruit
- 25 the seed;
- 26 the pennycress:
- 27 the dehiscent capsule
- 28 the seed;
- 29 the field scabious:
- 30 the root-leaf
- 31 the ray floret
- 32 the disk (or disc) floret
- 33 the involucre calyx with awns
- 34 the ovary with awns
- 35 the fruit;
- 36 the lesser celandine (pilewort):
- 37 the fruit
- 38 the leaf axil with bulbil;
- 39 the annual meadow grass:
- 40 the flower
- 41 the spikelet [from the side]
- 42 the spikelet [from above]
- 43 the caryopsis (indehiscent fruit);
- 44 the tuft of grass (clump of grass, tussock)
- 45 the comfrey:
- 46 the flower [longitudinal section]
- 47 the fruit



360 Meadow and Hedgerow Flowers (Field Flowers) II

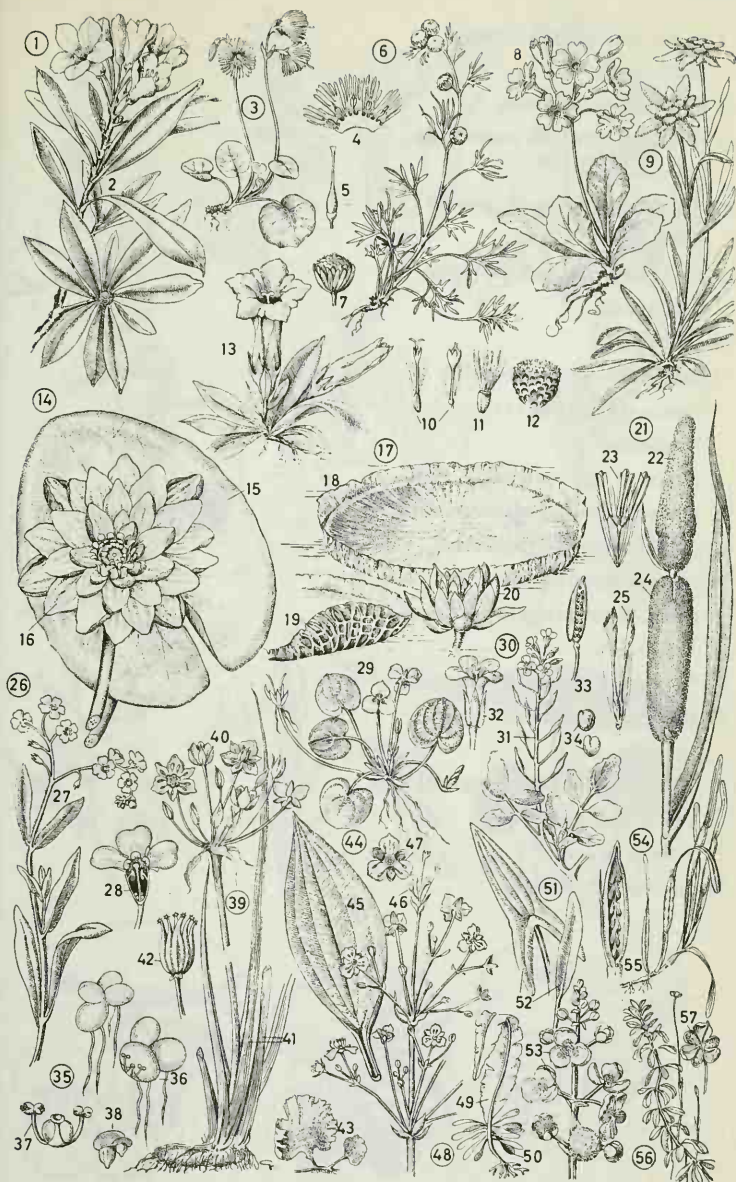
- 1 the daisy (*Am.* English daisy):
- 2 the flower
- 3 the fruit;
- 4 the white ox-eye (ox-eye daisy,
marguerite):
- 5 the flower
- 6 the fruit;
- 7 the large *Astrantia*
- 8 the cowslip
- 9 the mullein (great mullein, high
taper, shepherd's-club, Aaron's
rod)
- 10 the bistort (snake weed; *pop.*
snake root, adder's wort):
- 11 the flower;
- 12 the knapweed
- 13 the common wild mallow:
- 14 the fruit;
- 15 the yarrow (milfoil)
- 16 the self-heal (*Prunella*)
- 17 the common bird's-foot trefoil
- 18 *equisetum* (horse-tail, scouring
rush) [a shoot]:
- 19 the cone;
- 20 the English catch-fly
- 21 the ragged robin
- 22 the birth-wort:
- 23 the flower;
- 24 the meadow crane's-bill
- 25 the wild chicory (succory)
- 26 the common yellow toad-flax
(butter-and-eggs)
- 27 the lady's-slipper (*Venus's-*
slipper, *Am.* moccasin flower)
- 28 the orchis, an orchid



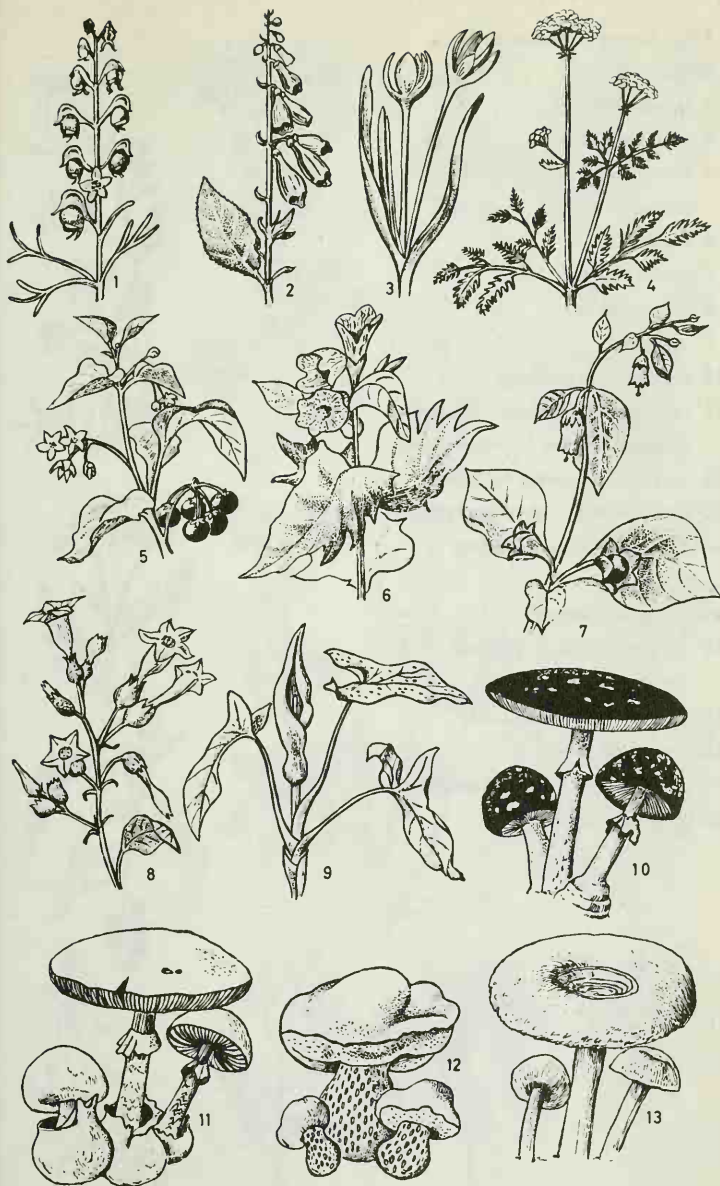
- 1 the wind flower (wood anemone)
- 2 the lily of the valley
- 3 the cat's-foot (mountain everlasting, mountain cudweed);
sim. immortelle
- 4 the Turk's-cap (Turk's-cap lily)
- 5 the goat's-beard
- 6 the ramson
- 7 the lungwort
- 8 the larkspur
- 9 the orpine (orpin, live-long, livelong)
- 10 the spurge-laurel (Daphne)
- 11 the touch-me-not (yellow balsam)
- 12 the club-moss
- 13 the butterwort, a carnivorous plant
- 14 the sundew; *sim.* Venus's fly trap
- 15 the bearberry (bear's bilberry)
- 16 the polypod fern;
sim. shield fern, brake
- 17 the hair moss, a moss
- 18 the cotton grass
- 19 the heather (ling, heath); *sim.* bell heather (cross-leaved heath)
- 20 the common rock-rose
- 21 the marsh rosemary
- 22 the sweet sedge
- 23 the bilberry (whortleberry; *Scot.* blaeberry, *Am.* huckleberry);
sim. cranberry (craneberry), moss berry, crakeberry (crowberry)



- 1-13 Alpine plants,
 - 1 the Alpine rose (rusty-leaved rhododendron):
 - 2 the flowering stem;
 - 3 the Alpine Soldanella (Alpine snowbell):
 - 4 the unfolded corolla
 - 5 the seed capsule with the style;
 - 6 the yellow wormwood:
 - 7 the inflorescence;
 - 8 the auricularia
 - 9 the edelweiss:
 - 10 the forms of flower
 - 11 the fruit with the pappus tuft
 - 12 the section of a flower head (capitulum);
 - 13 the stemless gentian (common Gentianella);
- 14-57 aquatic plants,
 - 14 the white water lily:
 - 15 the leaf
 - 16 the flower;
 - 17 the Amazon (giant, royal) water lily (Victoria regia):
 - 18 the leaf
 - 19 the underside of the leaf
 - 20 the flower;
 - 21 the reed mace (cat's-tail, bulrush, reed spike, ditch reed, club rush):
 - 22 the male part of the spike (*Am. cob*)
 - 23 the male flower
 - 24 the female part
 - 25 the female flower;
 - 26 the forget-me-not:
 - 27 the flowering stem
 - 28 the flower [section];
 - 29 the frogbit
 - 30 the water cress:
 - 31 the stalk with flowers and immature fruit
 - 32 the flower
 - 33 the pod with seed
 - 34 two seeds;
 - 35 the duckweed (duck-meat, duck's-meat):
 - 36 the plant in flower
 - 37 the flower
 - 38 the fruit;
 - 39 the flowering rush:
 - 40 the flower umbel
 - 41 the leaves
 - 42 the fruit;
 - 43 the green alga
 - 44 the water plantain:
 - 45 the leaf
 - 46 the flower panicle
 - 47 the single flower;
 - 48 the sea tangle, a brown alga:
 - 49 the thallus (leafy plant body)
 - 50 the holdfast;
 - 51 arrowhead:
 - 52 the forms of leaves
 - 53 the inflorescence with male flowers [at the top] and female flowers [below];
 - 54 the eel grass (grass wrack, sea grass):
 - 55 the inflorescence;
 - 56 the Canadian water weed:
 - 57 the flower

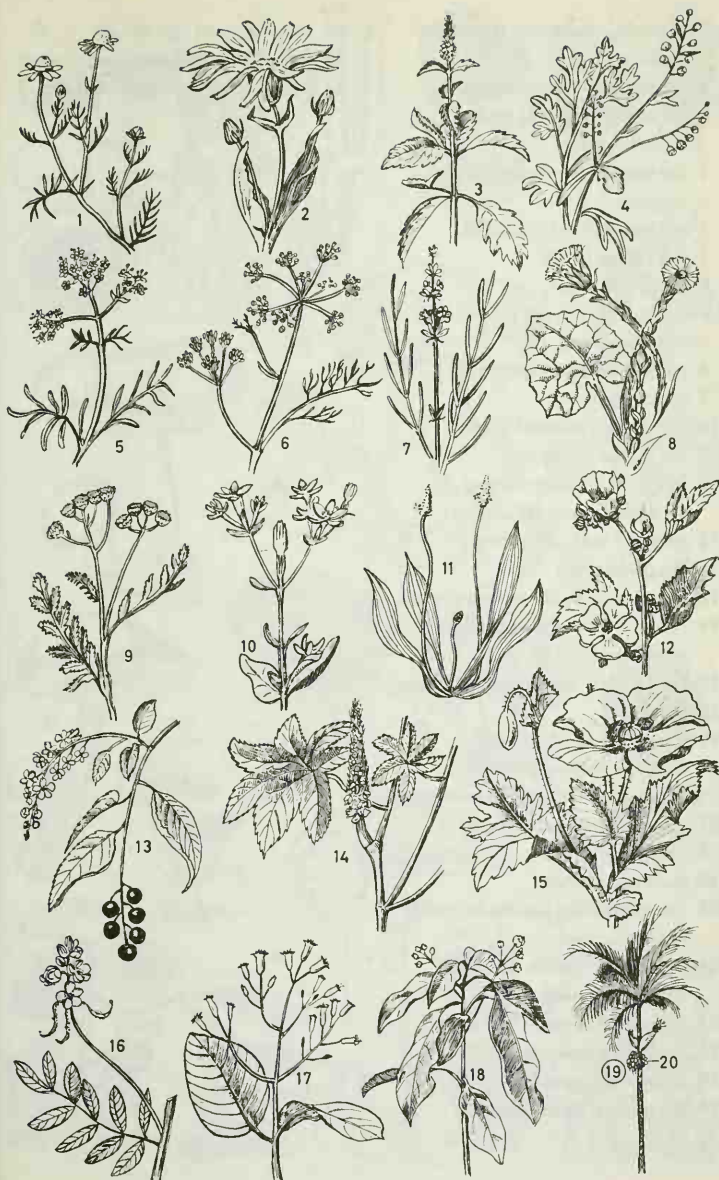


- 1 the aconite (monk's-hood,
wolf's-bane)
- 2 the foxglove (*Digitalis*)
- 3 the meadow saffron (naked lady,
naked boys)
- 4 the common hemlock (spotted
hemlock)
- 5 the black nightshade (common
nightshade)
- 6 the henbane
- 7 the deadly nightshade (*belladonna*, *dwale*), one of the
Solanaceae
- 8 the thorn apple (stramony,
Am. stink weed, *Jamestown weed*,
Jimson weed, *Jimson weed*)
- 9 the cuckoo-pint (*lords-and-ladies*, common *arum*, wild *arum*,
wake-robin)
- 10–13 poisonous fungi (toadstools):
- 10 the fly agaric (*fly amanita*), an
agaric
- 11 the death-cup (bulbous agaric,
poisonous agaric)
- 12 *Boletus satanus*
- 13 *Lactarius torminosus*



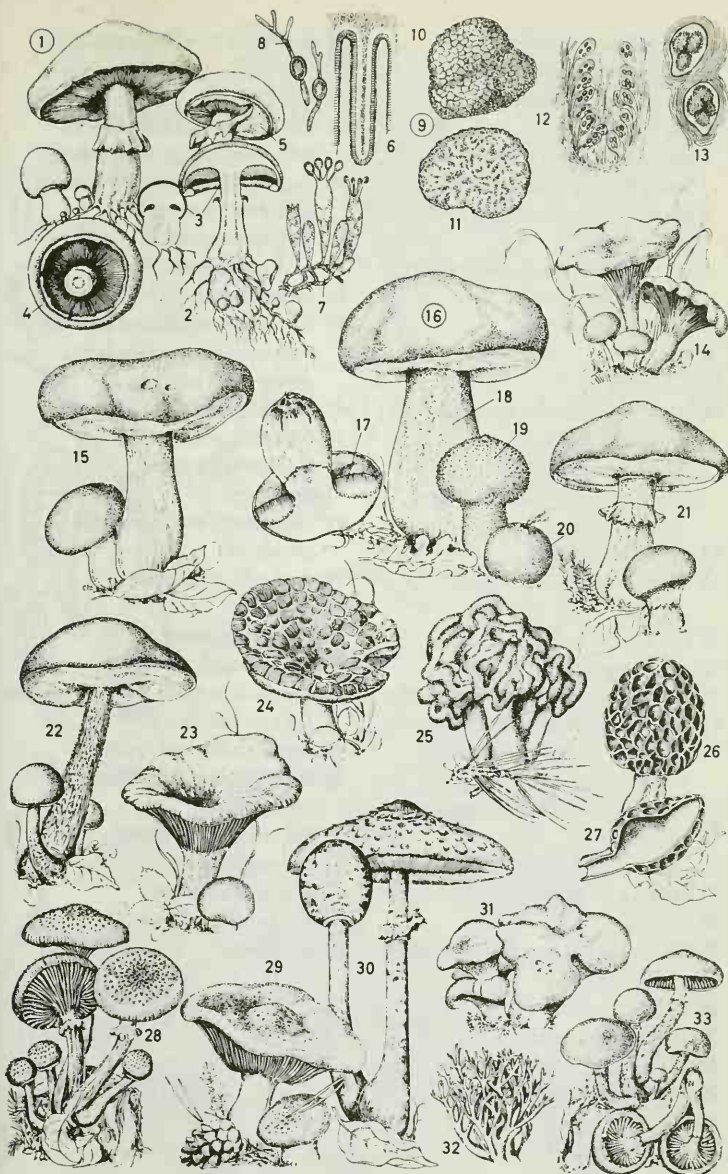
364 Medicinal Plants

- 1 the chamomile (camomile)
- 2 the arnica
- 3 the peppermint
- 4 the wormwood
- 5 the valerian (*fam. cat's valerian*,
all-heal)
- 6 the fennel
- 7 the lavender
- 8 the coltsfoot
- 9 the tansy
- 10 the common centaury
- 11 the ribwort (rib grass, ribwort
plantain, narrow-leaved plantain)
- 12 the common marsh mallow
- 13 the black alder (alder buckthorn)
- 14 the castor-oil plant (Palma
Christi)
- 15 the opium poppy
- 16 the senna (cassia); *the dried
leaflets* : senna leaves
- 17 the cinchona (chinchona)
- 18 the camphor tree
- 19 the betel tree (betel nut tree):
- 20 the betel nut

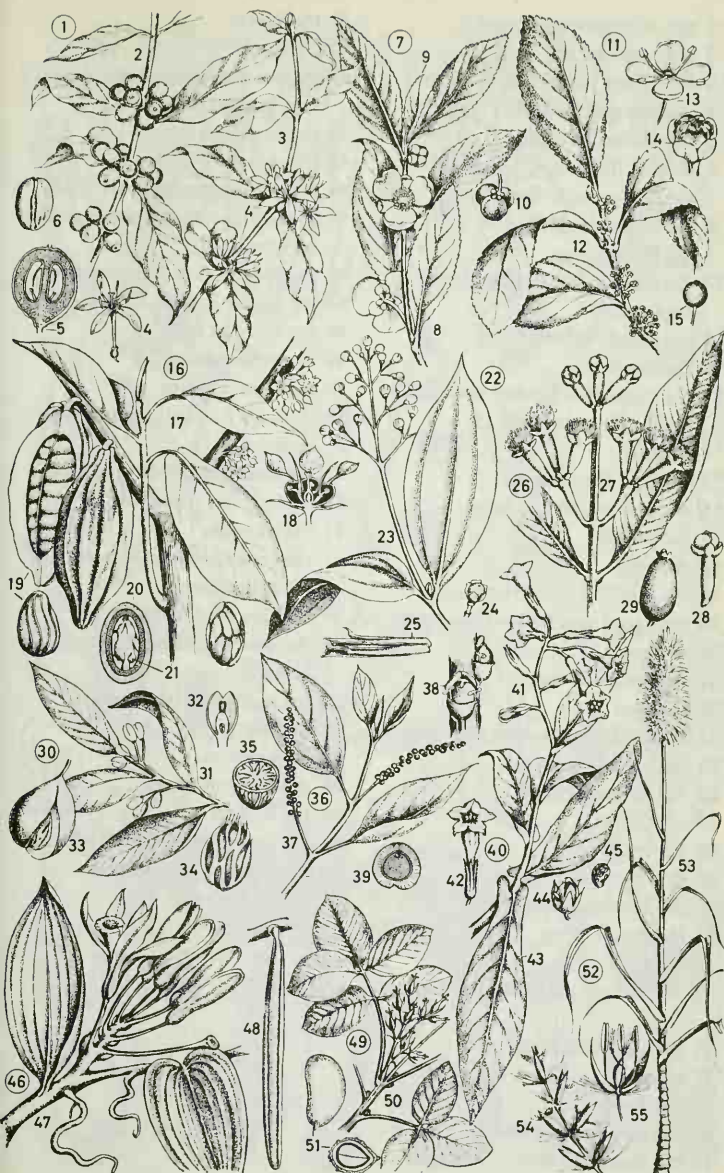


365 Edible Fungi (Esculent Fungi)

- 1 the field mushroom (common mushroom):
- 2 the interwoven hyphae (mycelium) with fruiting body (mushroom)
- 3 the mushroom [longitudinal section]
- 4 the cap (pileus) with gills
- 5 the velum (veil)
- 6 the gill [section]
- 7 the basidia [on the gill with basidiospores]
- 8 the germinating spores;
- 9 the truffle:
- 10 the truffle [external view]
- 11 the truffle [section]
- 12 interior showing the asci containing spores [section]
- 13 two asci with the spores;
- 14 the chanterelle
- 15 the cèpe (cep, chestnut boletus)
- 16 the edible boletus (edible pore mushroom):
- 17 the layer of tubes (spongy lining)
- 18 the stem;
- 19 the egg-shaped puffball
- 20 the flask-shaped puffball
- 21 *Boletus luteus* (ringed boletus)
- 22 the rough-stemmed boletus
- 23 the edible agaric
- 24 the scaly urchin
- 25 the turban-top (edible helvella, saddle fungus)
- 26 the morel (edible morel, common morel)
- 27 the conical morel (bell morel)
- 28 the honey agaric
- 29 the green agaric
- 30 the parasol mushroom
- 31 the urchin of the woods
- 32 the yellow clavaria (goat's-beard)
- 33 *Agaricus (Pholiota) mutabilis*



- 1 the coffee tree (coffee plant):
- 2 the fruiting stem
- 3 the flowering stem
- 4 the flower
- 5 the fruit (cherry) with the two beans [longitudinal section]
- 6 the coffee bean; *when processed* : coffee;
- 7 the tea plant (tea shrub, tea bush, tea tree):
- 8 the flowering twig
- 9 the tea leaf; *when processed* : tea
- 10 the fruit;
- 11 the maté plant (Paraguay tea, yerba de maté):
- 12 the flowering twig with the hermaphrodite flowers (androgynous flowers)
- 13 the male flower
- 14 the hermaphrodite (androgynous) flower
- 15 the fruit;
- 16 the cocoa tree (cacao tree):
- 17 the branch with flowers and fruits
- 18 the flower [longitudinal section]
- 19 the seeds (cocoa beans); *when processed* : cocoa, cocoa powder
- 20 the seed [longitudinal section]
- 21 the embryo;
- 22 the cinnamon tree:
- 23 the flowering stem
- 24 the fruit
- 25 the cinnamon bark; *when crushed* : cinnamon;
- 26 the clove tree:
- 27 the flowering stem
- 28 the bud; *when dried* : clove
- 29 the fruit (mother of cloves);
- 30 the nutmeg tree:
- 31 the flowering stem
- 32 the female flower [longitudinal section]
- 33 the ripe fruit
- 34 the mace, a seed with slashed seed-covering (arillode mace)
- 35 the seed (kernel) [cross section]; *when dried* : nutmeg;
- 36 the pepper plant:
- 37 the fruiting stem
- 38 the inflorescence
- 39 the fruit [longitudinal section] with the seed (peppercorn); *when ground* : pepper;
- 40 the Virginian tobacco plant (common tobacco):
- 41 the flowering stem
- 42 the flower
- 43 the tobacco leaf; *when cured* : tobacco
- 44 the ripe fruit capsule
- 45 the seed;
- 46 the vanilla plant:
- 47 the flowering stem
- 48 the vanilla pod; *when cured* : the stick of vanilla;
- 49 the pistachio tree (pistacia):
- 50 the flowering stem with the female flowers
- 51 the nut (pistachio nut);
- 52 the sugar cane:
- 53 the plant in bloom
- 54 the panicle
- 55 the flower

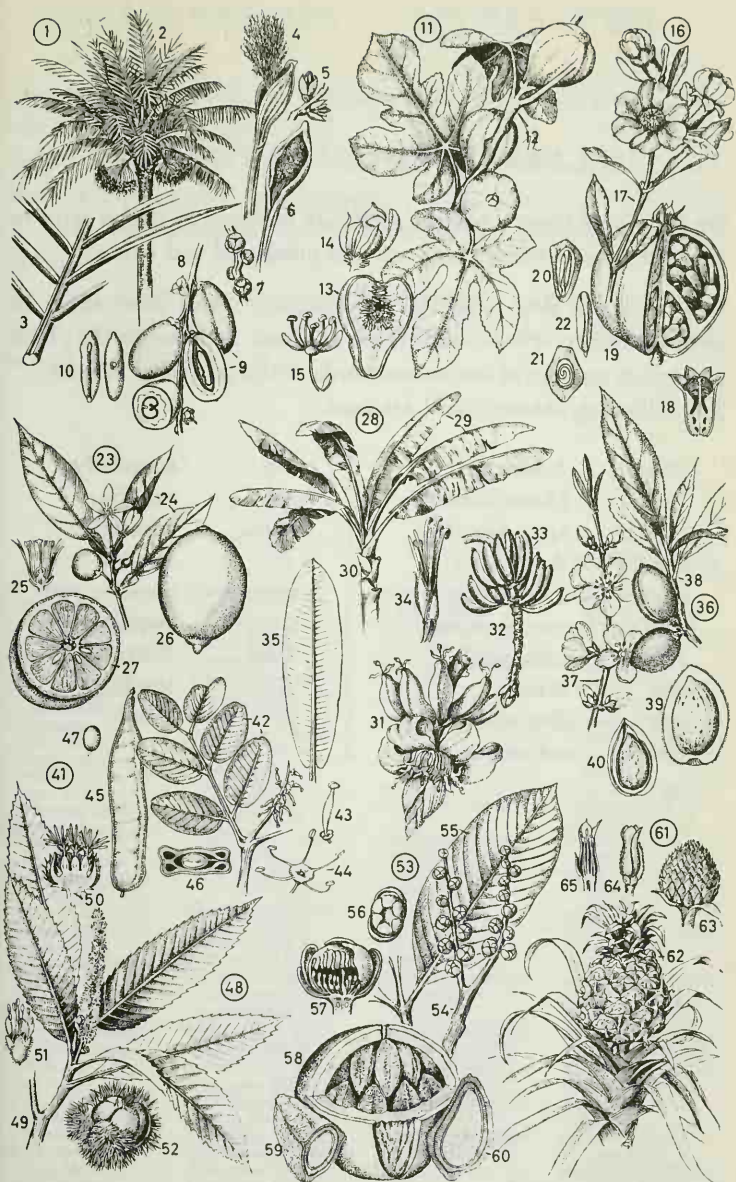


367 Plants used for Industrial Purposes

- 1 the rape (*rare* : cole seed):
- 2 the basal leaf
- 3 the flower [longitudinal section]
- 4 the ripe pod (siliqua)
- 5 the oleiferous seed;
- 6 the flax (flax plant, *Scotch* lint):
- 7 the flower stalk (flower stem)
- 8 the seed capsule;
- 9 the hemp:
- 10 the fruiting female plant (carl hemp, carl)
- 11 the female inflorescence
- 12 the flower
- 13 the male inflorescence (*male plant* : fimble, fimble hemp)
- 14 the fruit
- 15 the seed (hemp seed);
- 16 the cotton plant (cotton):
- 17 the flower
- 18 the boll
- 19 the lint (lint hairs) [cotton];
- 20 the kapok tree (silk-cotton tree):
- 21 the pod
- 22 the sprig of blossoms
- 23 the seed
- 24 the seed [longitudinal section];
- 25 the jute plant (jute):
- 26 the flowering stem
- 27 the flower
- 28 the fruit;
- 29 the olive tree (olive):
- 30 the flowering spray
- 31 the flower
- 32 the fruit;
- 33 the rubber tree (India rubber tree):
- 34 the stem with fruits
- 35 the fig
- 36 the flower;
- 37 the gutta-percha tree:
- 38 the flowering stem
- 39 the flower
- 40 the fruit;
- 41 the pea nut (ground nut, monkey nut, ground pea):
- 42 the flowering stem
- 43 the root with fruits
- 44 the nut [longitudinal section];
- 45 the sesame plant (simsim, gingelly, benniseed):
- 46 the stem with flowers and fruit
- 47 the flower [longitudinal section];
- 48 the coconut tree:
- 49 the inflorescence
- 50 the female flower
- 51 the male flower [longitudinal section]
- 52 the fruit [longitudinal section]
- 53 the coconut (coker nut);
- 54 the oil palm:
- 55 the male flower spike (spadix) with the flower
- 56 the cluster of fruits
- 57 the seed with the germinating holes;
- 58 the sago palm (sago tree):
- 59 the fruit;
- 60 the bamboo:
- 61 the spray of leaves
- 62 the flowers
- 63 the length of cane with joints;
- 64 the papyrus plant:
- 65 the flower tuft
- 66 the flower



- 1 the date palm (date tree, date):
- 2 the fruiting palm
- 3 the palm leaf
- 4 the male spadix
- 5 the male flower
- 6 the female spadix
- 7 the female flower
- 8 a stalk from a date cluster
- 9 the date
- 10 the date kernel (seed);
- 11 the fig:
- 12 the twig with multiple fruits
(pseudocarps, sorosis)
- 13 the fig with flowers [longitudinal
section]
- 14 the female flower
- 15 the male flower;
- 16 the pomegranate:
- 17 the flowering twig
- 18 the flower [longitudinal sections,
corolla removed]
- 19 the fruit
- 20 the seed (kernel) [longitudinal
section]
- 21 the seed [cross section]
- 22 the embryo (germ);
- 23 the lemon; *sim.* tangerine (man-
darin), orange, grapefruit, pomelo
(shaddock):
- 24 the flowering twig;
- 25 the orange flower [longitudinal
section]
- 26 the fruit
- 27 the orange [cross section]
- 28 the banana plant:
- 29 the crown
- 30 the pseudostem (false stem) with
the leaf sheaths
- 31 the inflorescence with young
fruits
- 32 the bunch (cluster) of fruit
- 33 the banana
- 34 the banana flower
- 35 the banana leaf [diagram];
- 36 the almond:
- 37 the flowering twig
- 38 the fruiting twig
- 39 the fruit
- 40 the shell with the seed
(almond);
- 41 the carob (algarroba, locust):
- 42 the twig with female flowers
- 43 the female flower
- 44 the male flower
- 45 the fruit
- 46 the fruit pod [cross section]
- 47 the seed;
- 48 the edible chestnut (sweet
chestnut):
- 49 the flowering twig
- 50 the female inflorescence
- 51 the male flower
- 52 the burr (cupule) with the seeds
[chestnuts, nuts];
- 53 the Brazil nut:
- 54 the flowering twig
- 55 the leaf
- 56 the flower [from above]
- 57 the flower [longitudinal
section]
- 58 the opened seed vessel with the
seed
- 59 the Brazil nut [cross section]
- 60 the nut [longitudinal section];
- 61 the pineapple (pine, ananas):
- 62 the pseudocarp with the leaf ro-
sette
- 63 the flower
- 64 the ananas flower
- 65 the flower [longitudinal section]



THE ARRANGEMENT OF THE BOOK

On the plates those numbers which are enclosed in circles refer to complex objects whose parts are also numbered and named.

Punctuation is determined by the headings which refer either to complex objects whose numbers are enclosed in circles on the plates or cover a number of successive words in the text (e. g. 17—24).

The following abbreviations are used:

<i>Am.</i>	American (Americanism)	<i>esp.</i>	especially
<i>approx.</i>	approximative	<i>fam.</i>	familiar
<i>Austral.</i>	Australian	<i>form.</i>	formerly
<i>Can.</i>	Canadian	<i>joc.</i>	jocular
<i>contempt.</i>	contemptuous	<i>opp.</i>	opportunately
<i>coll.</i>	colloquial	<i>pop.</i>	popular
<i>dial.</i>	dialect	<i>Scot.</i>	Scottish
<i>Engl.</i>	England	<i>sim.</i>	similar
<i>err.</i>	erroneous	<i>sl.</i>	slang

ZUR EINRICHTUNG DES REGISTERS

Die fetten Zahlen sind die Tafelnummern, die im Bilderteil *oben* auf den Seiten angegeben sind.

Im Register wurden ~ als Unterführungen verwendet, die entweder für das ganze vorangegangene Wort stehen oder für einen Teil des Wortes, der dann durch einen Punkt (·) abgegrenzt worden ist.

Um dem Benutzer das Suchen zu erleichtern, wurden, soweit es nötig erschien, kursiv gesetzte Hinweise auf den Verwendungsbereich des Wortes gegeben.

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THE ARRANGEMENT OF THE ENGLISH INDEX

The numbers in heavy type refer to the plate numbers, which are given at the top outer edge of each page.

To avoid repetition of the headwords a tilde (~) has been used; it stands for the whole of the preceding headword, or for that part of it which is followed by a point (·); when a tilde refers to a hyphenated headword, only the part of the word preceding the hyphen is meant.

Americanisms are marked with an asterisk(*).

The alphabetical order ignores prepositions such as *of*, *with*, *from*, *under*, and the conjunction *and*, etc. (thus *bridge over railway* is arranged alphabetically as *bridge railway*), but takes into account the second parts of compound words such as *man-of-war*, *built-in*, *hide-and-seek*.

The following abbreviations are used in the index:

<i>Agric.</i>	Agriculture	<i>mach.</i>	machine
<i>Anat.</i>	Anatomy	<i>Math.</i>	Mathematics
<i>app.</i>	apparatus	<i>Mech.</i>	Mechanics
<i>Arch.</i>	Architecture	<i>Med.</i>	Medicine
<i>Astr.</i>	Astronomy	<i>Met.</i>	Meteorology
<i>Bak.</i>	Bakery	<i>Mineral.</i>	Mineralogy
<i>Bot.</i>	Botany	<i>Mus.</i>	Music
<i>Box.</i>	Boxing	<i>Mythol.</i>	Mythology
<i>Broadc.</i>	Broadcasting	<i>mus. instr.</i>	musical instrument
<i>Build.</i>	Building	<i>n.</i>	noun
<i>Chem.</i>	Chemistry	<i>Nav.</i>	Navigation
<i>Cloth.</i>	Clothing	<i>newsp.</i>	newspaper
<i>Comm.</i>	Commerce	<i>Opt.</i>	Optics
<i>Danc.</i>	Dancing	<i>Phot.</i>	Photography
<i>Educ.</i>	Education	<i>Print.</i>	Printing
<i>El.</i>	Electricity	<i>Railw.</i>	Railway
<i>Fenc.</i>	Fencing	<i>rept.</i>	reptile
<i>Fish.</i>	Fishing	<i>Skat.</i>	Skating
<i>Footb.</i>	Football	<i>Sledg.</i>	Sledging
<i>f.</i>	for	<i>Spinn.</i>	Spinning
<i>fr.</i>	from	<i>subst.</i>	substance
<i>furn.</i>	furniture	<i>Tech.</i>	Technics
<i>Geol.</i>	Geology	<i>teleph.</i>	telephone
<i>Geom.</i>	Geometry	<i>Text.</i>	Textile
<i>Gymn.</i>	Gymnastics	<i>T.V.</i>	Television
<i>Her.</i>	Heraldry	<i>Typ.</i>	Typography
<i>Hunt.</i>	Hunting	<i>typewr.</i>	typewriter
<i>Hyg.</i>	Hygiene	<i>w.</i>	with
<i>instr.</i>	instrument	<i>Weav.</i>	Weaving
<i>Just.</i>	Justice	<i>Wrestl.</i>	Wrestling
<i>Knitt.</i>	Knitting	<i>Zool.</i>	Zoology
<i>loc.</i>	locomotive		

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